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•
**FEEDING STUFFS
REPORT**

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**FOR THE YEAR
1948**

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MILES HORST
Secretary of Agriculture

Commonwealth of Pennsylvania
Department of Agriculture
Harrisburg

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Pennsylvania Department of Agriculture

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Feeding Stuffs Report

1948

Introduction

The Pennsylvania Feeding Stuffs Law, Act of May 3, 1909, as amended, provides for the inspection and analysis of feeding stuffs. Accordingly, during the year ending December 31, 1948, 665 official samples were obtained by agents of the Bureau of Foods and Chemistry throughout the Commonwealth. Of the total number of samples collected, 657 were selected for analysis.

Each and every feeding stuff sold within this Commonwealth is required to be properly labeled, giving the following information: Name and address of manufacturer or importer, net weight, guarantees for protein, fat, and fiber, and a statement of composition, that is, the name of each ingredient used.

During the year 1948 there were 201 special samples of feeding stuffs submitted for analysis. The Law provides for the analysis of special samples of feeding stuffs for residents of Pennsylvania only, for a fee of \$1 per sample. The results of analyses of such special samples submitted are not included in this report. The total number of official and special samples analyzed during the year 1948 was 858.

The 657 official samples analyzed were registered by 179 manufacturers and represented 20 classes and 614 brands as follows:

<i>Classes</i>	<i>Samples</i>
Alfalfa Meal	4
Animal By-Products	13
Barley Feed	1
Calf Feed	7
Chop Feed	2
Dairy Concentrates	21
Dairy Feed	129
Distillery and Brewery By-Products	1
Maize By-Products	2
Mash Feed	309
Mineral Feed	2
Mixing Concentrates	3
Oat By-Products	1
Oil Cake By-Products	7
Poultry Concentrates	4
Scratch Feed	7
Small Animal Feed	44
Stock, Horse and Mule Feed	16
Swine Feed	75
Wheat Offal	9
Total	657

Brands Registered

Each brand of feeding stuffs is required to be registered annually. Application should be submitted before January 1 of each year or before the feed is offered for sale. When brands of feeding stuffs are re-registered, they must be accompanied by a tonnage affidavit, duly sworn to, showing the exact number of tons of each brand sold during the last preceding year. When tonnage affidavit is not submitted covering brands to be re-registered, then the Law provides for a registration fee of \$25 per brand. The annual registration fees are as follows:

0 to 150 tons, each	\$ 5.00
Over 150 tons to 300 tons, each	10.00
Over 300 tons to 500 tons, each	15.00
Over 500 tons, each	25.00

Pure Wheat Bran, Pure Wheat Middlings, Pure Wheat Mixed Feed, Pure Rye Bran, Pure Rye Middlings, Pure Rye Mixed Feed, Pure Buckwheat Bran, Pure Buckwheat Middlings, Pure Buckwheat Feed, Pure Corn Meal, and Pure Corn and Oats Chop can be registered for a fee of \$5.00 each, it being unnecessary to submit a tonnage affidavit. Pure whole grains, when made into meals and unmixed, do not require registration, provided no part of the grain has been removed in the process of milling. Pure Corn Meal, made by the grinding and bolting of corn, requires registration.

For 1948 sales, 6,615 brands of feeding stuffs were registered and 1,454 licenses were issued to 1,025 manufacturers.

Conclusions

Of the 657 official samples analyzed, 89 or 13.54 per cent were deficient in protein or fat and contained fiber in excess of the tolerances provided, 16 samples or 24.47 per cent were found deficient in protein, 30 or 4.57 per cent deficient in fat, and 43 or 6.54 per cent exceeded guarantees for fiber.

The consumer of a feeding stuff purchases the product under certain guarantees and labeling, and naturally expects that ingredients which are claimed should be present. Where an ingredient is omitted or added by a manufacturer, this Bureau should be notified and arrangements made for proper labeling of sacks or attached cards.

All inquiries concerning feeding stuffs should be addressed to the Director, Bureau of Foods and Chemistry, Pennsylvania Department of Agriculture, Harrisburg, Pennsylvania.

TABLE I--CLASSIFICATION SHOWING AVERAGE ANALYSIS AND PRICES OF SAMPLES ANALYZED WITH SUMMARY OF DEFICIENCIES

FEEDING STUFFS CLASSES	SAMPLES	BRANDS	GUARAN- TEED	PROTEIN %	FAT %	FIBER %	PRICE PER TON	NO. DEFICIENT		EXCESS FIBER
								PROTEIN	FAT	
Alfalfa Meal	4	4	4	17.14	2.37	19.46	84.67	1	---	---
Blood Meal	1	1	1	76.56	0.91	0.94	127.75	---	---	---
Fish Meal	1	1	1	60.63	6.63	0.33	145.00	---	---	---
Meat and Bone Scrap	10	8	10	48.42	9.24	1.71	98.85	1	1	---
Tankage	1	1	1	60.38	5.35	1.33	98.75	---	---	---
Barley Feed	1	1	1	15.44	4.69	13.93	72.00	---	---	---
Calf Feed	7	7	7	20.65	4.63	6.20	134.37	---	---	---
Chop Feed	2	2	2	11.03	3.74	6.19	93.50	---	---	---
Dairy Concentrate	21	20	20	32.94	5.32	6.79	114.19	2	2	9
Dairy Feed	129	119	129	21.51	4.21	8.47	92.85	3	4	---
Distillery and Brewery By-Products	1	1	1	29.00	7.67	12.09	71.00	---	---	---
Corn Gluten Feed	1	1	1	24.81	3.51	6.35	88.50	---	---	---
Hominy Feed	1	1	1	11.63	6.22	4.43	100.00	---	---	---
Mash Feed	309	286	309	20.12	4.26	6.71	107.98	3	10	22
Mineral Feed	2	2	2	---	---	---	150.00	---	---	---
Mixing Concentrates	3	3	3	39.21	17.17	3.04	280.00	---	---	---
Oat By-Products	3	3	3	8.31	3.09	22.20	92.00	---	---	---
Cottonseed Oil Meal	3	3	3	39.35	6.82	11.98	101.00	---	---	---
Linseed Oil Meal	1	1	1	33.50	5.21	8.53	90.00	---	---	1
Peanut Oil Meal	1	1	1	39.63	6.98	18.87	105.00	---	---	---
Soybean Oil Meal	2	2	2	42.40	5.15	5.67	103.75	---	---	---
Poultry Concentrates	4	4	4	32.66	4.51	7.23	116.05	---	---	---
Scratch Feed	7	7	7	11.17	3.09	3.28	103.40	---	---	---
Small Animal Feed	44	42	40	16.35	4.03	1.97	97.99	2	6	1
Stock, Horse and Mule Feed	16	15	16	12.24	4.05	7.77	100.14	---	1	10
Swine Feed	75	71	75	18.58	4.09	7.18	85.25	4	4	---
Wheat Bran	5	5	5	14.45	4.06	10.75	86.00	---	---	---
Wheat Middlings	4	4	4	11.53	3.40	4.09	---	---	1	---
TOTAL	657	614	652	---	---	---	---	16	30	43

Key to Table II Showing Analyses of Official Samples

Table II shows in detail the results of analyses under the various classifications, together with their guarantees.

Columns are provided for the found and guaranteed protein, fat and fiber.

Each sample is listed with a chemist's number which will be found in parentheses after the brand name.

The several classes of Feeding Stuffs, as shown on Table I, are classified under the following general headings and sub-headings:

ALFALFA MEAL

ANIMAL BY-PRODUCTS, including Blood Meal, Fish Meal,
Meat and Bone Scrap, Tankage.

BARLEY FEED

CALF FEED

CHOP FEED

DAIRY CONCENTRATES

DAIRY FEED

DISTILLERY AND BREWERY BY-PRODUCTS

MAIZE BY-PRODUCTS, including Corn Gluten Feed, Hominy
Feed

MASH FEED

MINERAL FEED

MIXING CONCENTRATES

OATS BY-PRODUCTS

OIL CAKE BY-PRODUCTS, including Cottonseed Oil Meal,
Linseed Oil Meal, Peanut Oil Meal, Soybean Oil Meal.

POULTRY CONCENTRATES

SCRATCH FEED

SMALL ANIMAL FEED

STOCK, HORSE AND MULE FEED

SWINE FEED

WHEAT OFFAL (with and without Ground Grain Screenings)
including Wheat Bran and Wheat Middlings.

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

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MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>ALFALFA MEAL</u>							
GREEN ACRE FARMS Nazareth, Pa.							
Green Acre's Brand 17% Dehydrated Alfalfa Meal (390)	*15.06	17.00	2.87	2.00	24.70	27.00	-----
SAUNDERS MILLS, INC. Toledo, Ohio							
Dehydrated Alfalfa Meal - 17 (621)	16.69	17.00	2.71	1.50	2.93	3.00	-----
TREXLER FARMS Allentown, Pa.							
Buffalo Brand 17% Fancy Fine Ground Dehydrated Alfalfa Meal (398)	17.19	17.00	2.41	2.00	27.03	27.00	-----
WILLOW PRODUCTS COMPANY Willow Island, Neb.							
20% Alfalfa Meal - Dehydrated (638)	19.63	20.00	2.69	1.50	23.18	22.00	-----
Average	17.14	----	2.37	----	19.46	----	
<u>ANIMAL BY-PRODUCTS</u>							
<u>Blood Meal</u>							
ROBERT A. REICHARD, INC. Allentown, Pa.							
Reichard's Blood Meal (404)	76.56	80.00	0.91	0.50	0.94	1.00	-----
Average	76.56	----	0.91	----	0.94	----	
<u>Fish Meal</u>							
FISH PRODUCTS COMPANY Lewes, Del.							
Smith's Lifeline Fish Meal 62% (389)	60.63	62.00	6.63	5.00	0.33	3.00	-----
Average	60.63	----	6.63	----	0.33	----	
<u>Meat and Bone Scrap</u>							
AHREN FERTILIZER COMPANY Lorane, Pa.							
Ahren's Pure Beef Scrap (408)	*46.31	50.00	12.72	10.00	1.44	1.62	-----
BAUGH AND SONS COMPANY Philadelphia, Pa.							
Baugh's Oldest Brand Meat & Bone Scrap (24)	49.38	50.00	8.04	6.00	2.23	3.00	-----
Baugh's Oldest Brand Meat & Bone Scrap (388)	49.06	50.00	7.01	6.00	2.31	3.00	-----
MAURER MANUFACTURING COMPANY Newark, N. J.							
Kwaliti 50% Meat & Bone Scrap (144)	51.19	50.00	9.78	6.00	2.13	3.00	-----
MUTUAL RENDERING COMPANY, INC. Philadelphia, Pa.							
50% Mureco Meat and Bone (29)	49.63	50.00	9.54	6.00	1.34	2.00	-----
50% Mureco Meat and Bone (557)	50.00	50.00	9.96	6.00	1.16	2.00	-----
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
ROBERT A. REICHARD, INC. Allentown, Pa.							
Raichard's Baef & Bone Scrap (402)	43.00	45.00	*7.69	9.00	0.88	3.00	-----
Raichard's 50% Beef Scrap (401)	48.00	50.00	10.74	9.00	2.04	3.00	-----
Raichard's High Grade Baef Scrap (403)	54.88	55.00	8.22	9.00	1.92	2.00	-----
STRUNZ SOAP COMPANY Pittsburgh, Pa.							
Economy 45% Meat & Bone Scrap (361)	42.81	45.00	8.73	8.00	1.74	3.00	-----
Average	48.42	----	9.24	----	1.71	----	
<u>Tankage</u>							
ROBERT A. REICHARD, INC. Allentown, Pa.							
Raichard's 60% Digester Tankage (405)	60.38	60.00	5.35	5.00	1.33	4.00	-----
Average	60.38	----	5.35	----	1.33	----	
<u>BARLEY FEED</u>							
ALLEN V. SMITH, INC. Marcellus Falls, N. Y.							
Smith's Barley Feed - Red Tag Brand (376)	15.44	13.00	4.69	2.00	13.93	14.00	-----
Average	15.44	----	4.69	----	13.93	----	
<u>CALF FEED</u>							
ALBERS MILLING COMPANY Seattle, Wash.							
Albers Calf Manna (598)	26.50	25.00	5.09	4.00	4.77	5.50	-----
CHESTER COUNTY MILLS, INC. West Chester, Pa.							
Calf Grow-Rite & Fitting Ration with Cod Liver Oil (166)	14.19	12.00	4.03	3.60	7.87	8.00	-----
COOPERATIVE G.L.F. MILLS, INC. Buffalo, N. Y.							
G. L. F. Calf Starter (512)	21.06	18.00	3.85	3.00	6.42	9.00	-----
G. L. F. Penna. Calf Grower (608)	16.69	14.00	4.50	3.50	6.22	8.00	-----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.							
Calf Starter (421)	23.19	23.00	4.14	3.50	5.45	7.00	-----
REED MILLING COMPANY Brookville, Pa.							
Triangle Calf Meal (229)	21.25	20.00	4.99	4.00	5.86	8.00	-----
THE QUAKER OATS COMPANY Chicago, Ill.							
Ful-O-Pep Calf Starter (593)	21.63	20.00	4.79	4.50	6.78	8.00	-----
Average	20.65	----	4.63	----	6.20	----	
<u>CHOP FEED</u>							
R. S. ALTMAN Irwin, Pa.							
Altman's Special Chop (560)	11.56	9.00	3.34	1.50	6.94	10.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
ZECHMAN'S FLOUR MILLS Pottsgrove, Pa.								
Pure Corn & Oats Chop	(236)	10.50	10.00	4.13	4.00	5.44	9.00	-----
Average		11.03	----	3.74	----	6.19	----	
DAIRY CONCENTRATES								
ALLIED MILLS, INC. Chicago, Ill.								
Amco 32% Supplement Dairy Feed	(68)	32.19	32.00	4.60	3.00	5.80	10.00	-----
Wayne 32% Dairy Feed	(639)	34.31	32.00	4.59	3.00	5.46	10.00	-----
CHESTER COUNTY MILLS, INC. West Chester, Pa.								
Cream-Rite Dairy Ration 32%	(168)	32.00	32.00	4.31	4.50	7.51	9.00	-----
CITY FLOURING MILLS, INC. Muncy, Pa.								
Muncy 32 Dairy Ration	(412)	31.00	32.00	5.86	4.00	9.79	11.00	-----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.								
32% Supplement	(637)	35.13	32.00	4.06	4.00	5.36	8.00	-----
32% Supplement	(423)	34.75	32.00	4.58	4.00	6.50	8.00	-----
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Eshalman Red Rose 32 Mixing Ration	(79)	30.94	32.00	5.06	4.00	7.93	9.00	-----
FISHER & SON COMPANY Malvern, Pa.								
Fisher's 33% Dairy Feed	(174)	33.25	33.00	5.30	5.00	8.79	8.50	-----
FREYERMUTH MILLS Fredonia, Pa.								
Freyermuth Quality 32% Dairy Mixing Ration	(82)	32.31	32.00	4.93	3.00	6.16	11.00	-----
PAUL H. GEHMAN Denver, Pa.								
Gelman's 32% Dairy Feed	(191)	34.94	32.00	4.16	3.00	7.03	8.00	-----
GENERAL MILLS, INC. Minneapolis, Minn.								
Larro 32% Dairy Concentrate	(400)	33.44	32.00	2.89	3.00	8.32	11.00	-----
HUBBARD MILLING COMPANY Ambridge, Pa.								
Hubbard's Sunshine Concentrate with A and D Feeding Oil	(106)	33.00	32.00	5.09	3.50	6.75	8.00	-----
MCMILLEN FEED MILLS Fort Wayne, Ind.								
Master Blend Dairy Concentrate	(60)	32.75	33.00	4.61	2.00	6.07	9.00	-----
MONTGOMERY-BUCKS FARM BUREAU COOPERATIVE ASSN. Souderton, Pa.								
32% Milkmaker	(137)	33.50	32.00	6.51	4.00	9.04	10.00	-----
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, INC. Harrisburg, Pa.								
P. F. B. 32% Milkmaker	(86)	35.81	32.00	4.73	3.00	5.34	10.00	-----
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
PINE RUN FARM SUPPLY Doylestown, Pa.								
Pine Run 32% Dairy Feed	(146)	31.31	32.00	*2.78	4.00	6.10	9.00	-----
THE QUAKER OATS COMPANY Chicago, Ill.								
Full-O-Pep 32% Dairy Ration	(52)	31.06	32.00	4.67	4.00	8.31	10.00	-----
ROUX FEED MILLS Sharon, Pa.								
Roux Blue Ribbon 32% Dairy	(8)	*28.69	32.00	*2.28	3.00	5.91	12.00	-----
SNYDER MILLING COMPANY Nazareth, Pa.								
Gold Star 32% Dairy Concentrate	(261)	32.94	32.00	3.31	3.50	7.70	8.00	-----
JACOB TRINLEY & SONS, INC. Linfield, Pa.								
Real 32% Mixing Ration	(314)	*29.25	32.00	3.81	4.00	7.20	10.00	-----
WHITMOYER LABORATORIES, INC. Myerstown, Pa.								
Connecticut Mix	(345)	39.19	37.00	23.54	12.00	1.51	3.50	-----
Average		32.94	----	5.32	----	6.79	----	
<u>DAIRY FEED</u>								
ALLIED MILLS, INC. Chicago, Ill.								
Amco 20% Dairy Feed	(67)	22.69	20.00	4.56	3.00	6.45	10.00	-----
Amco 24% Universal Dairy Feed	(66)	23.69	24.00	4.81	3.00	6.16	10.00	-----
Ideal 16% Dairy Feed	(70)	19.63	16.00	3.48	3.00	10.09	12.00	-----
R. S. ALTMAN Irwin, Pa.								
Altman's 16% Dairy Ration	(357)	17.06	16.00	3.14	3.00	7.80	12.00	-----
Altman's 20% Dairy Ration	(559)	19.38	20.00	3.32	3.00	6.98	12.00	-----
Altman's 20% Dairy Retion	(653)	22.81	20.00	3.17	3.00	6.85	12.00	-----
C. D. BELL & SON Hop Bottom, Pa.								
C. D. Bell's Cow Feed	(440)	22.19	20.00	5.16	3.00	8.03	10.00	-----
BEST FEEDS & FARM SUPPLIES, INC. Washington, Pa.								
Best Feeds Dairy Ration	(51)	19.94	20.00	4.54	3.00	8.75	10.00	-----
Best Feeds Dairy Ration	(358)	20.00	20.00	3.63	3.00	5.76	10.00	-----
Best Feeds Super 20 Dairy	(547)	25.19	20.00	3.52	3.50	6.92	10.00	-----
D. G. BRANDT & SON Annville, Pa.								
Blue Ribbon 24% Dairy Feed	(290)	25.81	24.00	4.14	3.50	8.80	8.00	-----
BROWN & REA Atglen, Pa.								
B & R 20% Dairy Feed	(161)	21.31	20.00	4.50	4.00	9.88	11.00	-----
BUCK & HUNSBERGER West Point, Pa.								
B & H Dairy Feed	(328)	17.75	18.00	3.86	4.00	10.64	10.00	-----
S. S. BUCKWALTER Spring City, Pa.								
Buckwalter's 20% Dairy Feed	(180)	23.00	20.00	3.81	4.00	7.46	11.00	-----
Buckwalter's 24% Dairy Feed	(179)	27.19	24.00	3.71	4.00	10.22	11.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

SD-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
CANNONSBURG MILLING COMPANY Cannonsburg, Pa.								
16% Dairy Feed	(62)	16.81	16.00	*2.57	3.50	15.57	15.00	-----
CATAWISSA MILLING COMPANY Catawissa, Pa.								
Blue Ribbon 20% Dairy Feed	(249)	21.00	20.00	4.75	3.00	8.08	11.00	-----
CHESTER COUNTY MILLS, INC. West Chester, Pa.								
Cream-Rite Dairy Ration 16%	(169)	17.88	16.00	3.83	2.30	11.60	10.60	-----
Cream-Rite Dairy Ration 18%	(167)	20.38	18.00	3.97	2.90	*8.99	7.20	-----
CITY FLOURING MILLS, INC. Muncy, Pa.								
Muncy 20 Dairy Ration	(413)	18.56	20.00	4.02	4.00	11.43	11.00	-----
CLARION ROLLER MILLS Clarion, Pa.								
Premium 18% Dairy	(233)	18.44	18.00	3.74	3.25	11.00	10.00	-----
COLLEGEVILLE MILLS Collegeville, Pa.								
Perkiomen Dairy Feed	(485)	19.13	18.00	3.66	4.00	10.46	12.00	-----
G. B. CONKEY COMPANY Cleveland, Ohio								
Conkey's Red Seal Dairy Feed 16%	(551)	18.56	16.00	5.67	3.00	8.41	12.00	-----
Conkey's Red Seal 20% Dairy Feed	(71)	22.81	20.00	3.17	3.00	10.19	14.00	-----
COOPERATIVE G.L.F. MILLS, INC. Buffalo, N. Y.								
G. L. F. Exchange Dairy	(505)	22.13	20.00	4.69	3.25	6.39	9.00	-----
G. L. F. Exchange Dairy	(602)	21.31	20.00	4.88	3.50	7.41	9.00	-----
G. L. F. Milk Maker	(274)	27.81	24.00	4.27	3.25	5.65	9.00	-----
G. L. F. Milk Maker	(506)	26.25	24.00	4.54	3.25	6.21	9.00	-----
G. L. F. Milk Maker	(601)	25.19	24.00	4.67	3.50	6.97	9.00	-----
G. L. F. 30% Dairy Supplement	(275)	32.75	30.00	3.74	3.00	6.42	9.00	-----
CUMBERLAND VALLEY COOPERATIVE ASSN. Shippensburg, Pa.								
Hub 16% Dairy Feed	(641)	*14.06	16.00	3.26	3.00	7.67	12.00	-----
DAILY MILLS, INC. Clean, N. Y.								
Double Diamond 20% Test Ration	(364)	21.81	20.00	3.76	4.00	7.04	9.00	-----
20% Milk Producer	(365)	19.94	20.00	3.91	4.00	7.78	10.00	-----
DIAMOND MILLING COMPANY New Brighton, Pa.								
Diamond 20% Dairy Ration	(478)	23.94	20.00	2.92	3.25	10.06	11.00	-----
Diamond 24% Dairy Ration	(480)	26.94	24.00	3.18	3.25	9.00	10.00	-----
DUBLIN MILLING COMPANY, INC. Dublin, Pa.								
Dublin Dairy Feed	(28)	19.00	18.00	4.81	3.50	8.59	11.00	-----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.								
Fulpail	(635)	21.81	20.00	4.24	3.50	6.61	9.00	-----
Milkmore	(636)	18.25	16.00	4.22	3.50	7.19	9.00	-----
H. N. EPPINGER & SONS New Bedford, Pa.								
Eppinger's 20% Dairy Feed	(466)	24.81	20.00	5.45	2.00	8.56	12.00	-----
E. L. M. FEED STORE Greencastle, Pa.								
E. L. M. 20% Dairy Feed	(94)	21.63	20.00	3.93	3.00	9.01	12.00	-----
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Eshelman Challenge Dairy Feed 24%	(75)	23.63	24.00	5.46	3.50	8.58	11.00	-----
Eshelman Conestoga Dairy 20%	(77)	19.94	20.00	5.29	4.00	9.53	11.00	-----
Eshelman Pennsy Dairy 16% Feed	(76)	16.50	16.00	5.58	3.00	*12.53	11.00	-----
Eshelman Red Rose 16 Dairy Feed	(214)	17.38	16.00	4.82	4.00	7.74	11.00	-----
Eshelman Red Rose 18 Dairy Feed	(215)	18.56	18.00	4.87	4.00	7.44	9.00	-----
Eshelman Red Rose 24 Dairy Feed	(218)	26.06	24.00	4.93	4.00	7.46	11.00	-----
FISHER & SON COMPANY Malvern, Pa.								
Fisher's 18% Dairy Feed	(173)	19.56	18.00	4.15	4.00	8.56	9.00	-----
Fisher's 24% Dairy Feed	(175)	26.19	24.00	4.94	5.00	8.32	9.00	-----
FLORY MILLING COMPANY, INC. Bangor, Pa.								
Flory 20% Dairy Feed	(280)	21.94	20.00	5.32	3.50	8.59	10.00	-----
FREYERMUTH MILLS Fredonia, Pa.								
Freyermuth's Dairy Feed 20%	(81)	20.63	20.00	4.07	3.00	7.60	11.00	-----
D. D. FRITCH MILLING COMPANY Macungie, Pa.								
XXXX Fancy 16% Dairy Feed	(386)	19.56	16.00	3.52	3.00	*10.89	8.00	-----
XXXX Fancy 24% Dairy Feed	(387)	26.94	24.00	4.06	3.50	*10.42	9.00	-----
PAUL H. GEHMAN Denver, Pa.								
Gehman's 16% Dairy Feed	(189)	18.31	16.00	4.43	3.50	8.04	8.00	-----
Gehman's 24% Dairy Feed	(190)	27.06	24.00	4.47	3.00	8.69	8.00	-----
W. M. GOLDEN & SON Springville, Pa.								
Dairy Feed	(443)	21.00	18.00	4.03	4.00	6.07	10.00	-----
JAMES H. GRAY MILLING COMPANY, INC. Springville, N. Y.								
16% Gramco Dairy Ration	(371)	19.94	16.00	5.00	4.00	6.79	11.00	-----
20% Gramco Dairy Ration	(369)	20.56	20.00	5.00	4.00	7.72	11.00	-----
20% Super Gramco Dairy Ration	(368)	20.75	20.00	4.68	4.00	7.08	11.00	-----
30% Gramco Dairy Supplement	(370)	32.19	30.00	4.17	3.50	7.75	10.00	-----
HARPER FEED MILLS, INC. Washington, Pa.								
Green Pasture 20% Dairy Ration	(43)	22.13	20.00	3.43	3.00	9.31	12.00	-----
Green Pasture 20% Dairy Ration	(543)	21.00	20.00	3.51	3.00	7.10	12.00	-----
F. D. HARTZEL'S SONS COMPANY Chalfont, Pa.								
Perfection 17% Dairy Feed	(320)	21.31	17.00	3.81	3.50	10.87	10.00	-----
I. B. HEIMBACH & SON East Greenville, Pa.								
18% Special Dairy Feed	(481)	19.25	18.00	4.29	3.50	10.03	11.00	-----
S. H. HIESTAND & COMPANY Salunga, Pa.								
Salunga 16% Dairy Ration	(206)	16.69	16.00	4.21	3.00	8.76	8.00	-----
HONESDALE FLOUR & FEED COMPANY Honesdale, Pa.								
Tru-Mix 20% Dairy Ration (Sweetened)	(452)	22.00	20.00	4.13	4.00	7.63	9.00	-----
HUNTSINGER'S MILL Hegins, Pa.								
Quality Dairy Ration	(252)	20.38	20.00	4.52	4.00	7.42	9.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
KASCO MILLS, INC. Waverly, N. Y.								
Apex 24% Dairy Feed	(74)	27.94	24.00	4.66	3.00	9.93	12.00	-----
Kasco Beatsall Milk Grains 16%	(565)	17.75	16.00	3.94	3.50	7.06	10.00	-----
Kasco Beatsall Milk Grains 20%	(564)	21.06	20.00	3.70	3.50	7.70	10.00	-----
H. B. KRATZ & SONS Schwenksville, Pa.								
Ideal Dairy Feed	(489)	23.06	20.00	4.36	4.00	10.86	10.00	-----
J. R. LEWIS Orson, Pa.								
J. R. L. Dairy Ration	(446)	23.50	20.00	4.42	3.00	7.83	10.00	-----
LINCOLN HAY & FEED COMPANY Lincoln University, Pa.								
Markitop 24% Dairy Feed	(163)	28.56	24.00	4.89	3.50	8.03	10.00	-----
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.								
Marmico 16% Protein Dairy Feed	(130)	17.25	16.00	3.76	3.00	11.52	12.00	-----
Sweetened B-B 18% Dairy Ration	(132)	20.44	18.00	3.52	3.50	8.09	9.00	-----
MECHANICSBURG MILLING COMPANY Mechanicsburg, Pa.								
Brandt's O.K. Markitop Dairy Balancer	(644)	16.44	12.00	2.19	0.50	3.96	4.00	-----
G. H. MILLER Sidman, Pa.								
Blue Circle 20% Dairy Feed	(573)	23.69	20.00	3.18	3.00	7.69	10.00	-----
Miller's Supreme Dairy Feed	(576)	20.19	20.00	3.11	3.00	12.07	12.00	-----
MOSES BROTHERS COMPANY, INC. Eaton, N. Y.								
3 M.M.M. Dairy Ration	(519)	25.25	24.00	4.44	4.50	7.11	10.00	-----
MOYER & SON Souderton, Pa.								
M & S Dairy Feed	(136)	21.44	19.50	4.26	3.00	9.81	10.50	-----
NYCE SUPPLY YARDS New Britain, Pa.								
Gilt Edge 16% Dairy Ration	(21)	17.25	16.00	3.42	3.00	*12.32	10.00	-----
Gilt Edge 24% Dairy Ration	(20)	24.69	24.00	4.77	3.50	8.20	10.00	-----
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, INC. Harrisburg, Pa.								
P. F. B. 20% Milk Maker	(85)	22.31	20.00	4.98	4.00	6.71	10.00	-----
P. F. B. 20% Milk Maker	(105)	24.13	20.00	4.77	3.50	7.05	10.00	-----
P. F. B. 20% Milk Maker	(662)	24.94	20.00	4.11	4.00	7.38	10.00	-----
PERRYOPOLIS FEED & SUPPLY COMPANY Perryopolis, Pa.								
Perry Quality 20% Dairy Ration	(63)	20.50	20.00	3.61	3.50	9.43	9.00	-----
PINE RUN FARM SUPPLY Doylestown, Pa.								
Pine Run 18% Dairy	(145)	18.13	18.00	3.86	3.50	7.87	12.00	-----
PRIMEX MILLS Glenside, Pa.								
Primex Cow Feed	(504)	*17.63	20.00	4.16	3.50	8.77	8.00	-----
THE QUAKER OATS COMPANY Chicago, Ill.								
Quaker 16% Protein Dairy Ration	(583)	18.38	16.00	2.79	2.50	12.12	12.00	-----
* Deficient								

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
RED LION MILLING COMPANY Red Lion, Pa.							
Red Lion Unexcelled 16% Dairy Feed (554)	17.88	16.00	3.81	3.00	11.48	11.00	-----
REED MILLING COMPANY Brookville, Pa.							
Triangle 20% Dairy Ration (225)	19.75	20.00	*3.92	4.50	9.00	10.00	-----
THE RICHARDS MILLING COMPANY Cortland, Ohio							
Richards Cash 24% Dairy Feed (584)	22.88	24.00	2.97	3.00	12.93	15.00	-----
Richards 20% Dairy Feed (582)	21.94	20.00	3.62	3.00	11.12	12.00	-----
ROARING CREEK MILL Cetowisse, Pa.							
Milk Well 18% Dairy (245)	19.38	18.00	5.06	3.50	7.67	12.00	-----
ROBERT'S FEED MILL Peckville, Pa.							
Rob-Rose 20% Dairy Feed (520)	20.63	20.00	3.60	4.00	5.52	8.00	-----
ROUX FEED MILLS Sharon, Pa.							
Roux Red Ribbon 20% Dairy (4)	21.81	20.00	3.03	3.00	7.92	12.00	-----
Roux Red Ribbon 24% Dairy (3)	23.69	24.00	2.84	3.00	6.68	12.00	-----
SACRAMENTO ROLLER MILLS Sacramento, Pa.							
Sacromill Steer Feed (257)	14.75	10.00	4.00	3.00	5.83	12.00	-----
EARL SAUDER New Holland, Pa.							
Sauder's Sweet 20% Dairy (187)	24.88	20.00	5.41	4.00	9.16	9.00	-----
Sauder's Sweet 24% Dairy (186)	26.63	24.00	5.36	4.00	9.88	9.00	-----
SHELLY BROTHERS Perkasie, Pa.							
Shelly Brothers Quality 20% Dairy Feed (36)	20.75	20.00	3.92	4.00	7.62	9.00	-----
ESTATE OF GEO. S. SNYDER, INC. Hatfield, Pa.							
Snyder's Quality Dairy Feed (141)	17.94	18.00	4.33	3.50	10.11	9.50	-----
SNYDER MILLING COMPANY Nazareth, Pa.							
Gold Star 16% Dairy Feed (262)	18.19	16.00	4.37	3.00	10.61	12.00	-----
Gold Star 28% Dairy Feed (260)	30.81	28.00	3.21	3.50	7.94	8.00	-----
SPENCER MILLING COMPANY Thompson, Pa.							
Spencer's 18% Dairy (444)	21.31	18.00	4.62	3.50	8.97	10.00	-----
STEARNS MILL Kingsley, Pa.							
Stearns Special Dairy Ration (454)	20.94	18.00	4.19	4.00	6.70	10.00	-----
EDWIN F. STOVER ESTATE Perkasie, Pa.							
Stover's 18% Dairy Feed (41)	18.38	18.00	4.26	3.25	8.87	12.00	-----
P. O. SUNDAY Carlisle, Pa.							
Cumberland 20% Dairy (632)	21.56	20.00	4.56	4.50	8.04	12.00	-----
Cumberland 24% Dairy (631)	25.75	24.00	5.34	4.00	6.91	10.00	-----
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-34

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
SWIFT & COMPANY Chicago, Ill.								
Swift's Dairy Feed	(73)	16.75	16.00	6.62	3.50	10.82	10.00	-----
SWINGLE BROTHERS Lake Ariel, Pa.								
Direct 20% Dairy Ration	(433)	22.63	20.00	4.66	3.50	8.70	10.00	-----
Special 20% Dairy Ration	(435)	22.00	20.00	4.77	4.00	8.09	9.00	-----
THORPE, BAKER & COMPANY Carbondale, Pa.								
C-A Dairy Ration	(516)	23.88	20.00	5.04	3.50	7.68	10.00	-----
THRIFT FEED MILLS, INC. Doylestown, Pa.								
Thrift 18% Dairy	(25)	17.75	18.00	4.15	3.50	6.87	9.00	-----
TIOGA MILLS, INC. Waverly, N. Y.								
Creamatine	(610)	23.25	20.00	5.48	4.00	7.53	9.50	-----
OR-CO Sweet Feed	(611)	19.69	18.00	4.98	3.50	11.47	11.00	-----
JACOB TRINLEY & SONS, INC. Linfield, Pa.								
Trinley's 20% Dairy Feed	(313)	20.13	20.00	3.87	4.00	10.00	11.00	-----
VANDERVORT MILLS Laceyville, Pa.								
Vandervort's 16% Special Dairy Ration	(437)	16.06	16.00	4.54	4.00	*8.93	8.00	-----
Vandervort's 16% Special Dairy Ration	(589)	17.69	16.00	5.14	4.00	10.27	10.00	-----
Vandervort's 18% Special Dairy Ration	(590)	20.50	18.00	5.56	4.00	10.28	10.00	-----
Vandervort's Gold Band 18% Dairy Ration	(595)	19.94	18.00	5.33	4.50	7.27	8.00	-----
Vandervort's 20% Dairy Ration (Sweet Twenty)	(592)	24.25	20.00	4.61	3.50	*12.71	10.00	-----
Vandervort's 24% Red Tag Dairy	(588)	27.00	24.00	4.79	4.00	8.57	8.00	-----
Vandervort's 30% Dairy Ration	(591)	*27.81	30.00	4.64	3.75	*9.37	7.00	-----
THE WADSWORTH FEED COMPANY Warren, Ohio								
Wadsworth's 16% Dairy Ration	(563)	16.63	16.00	3.02	3.00	9.43	15.00	-----
WAYMART MILLING COMPANY Waymart, Pa.								
Way Best 18% Dairy Ration	(450)	19.94	18.00	4.12	4.00	5.84	7.50	-----
C. P. WENGER & SONS Ephrata, Pa.								
Wenger's 20% Dairy Feed	(199)	24.63	20.00	*3.58	5.00	*10.99	8.50	-----
Wenger's 24% Dairy Feed	(196)	27.50	24.00	*3.43	4.50	10.53	12.00	-----
C. E. WOOLEVER Catawissa, Pa.								
Millgrove Chief 18% Dairy Feed	(241)	19.56	18.00	3.77	2.50	8.96	9.50	-----
ZECHMAN'S FLOUR MILLS Pottsgrove, Pa.								
Zechman's 16% Milk Producer	(234)	16.63	16.00	4.00	4.00	6.24	9.00	-----
Average		21.51	----	4.21	----	8.47	----	

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>DISTILLERY AND BREWERY BY-PRODUCTS</u>							
THE NEW CENTURY COMPANY Chicago, Ill.							
Pilsnar Dried Brewars Greins (392)	29.00	24.00	7.67	5.00	12.09	18.00	-----
Average	29.00	----	7.67	----	12.09	----	
<u>MAIZE BY-PRODUCTS</u>							
<u>Corn Gluten Feed</u>							
A. E. STALEY MANUFACTURING COMPANY Decatur, Ill.							
Staley Corn Gluten Feed (391)	24.81	23.00	3.51	1.50	6.35	8.00	-----
Average	24.81	----	3.51	----	6.35	----	
<u>Hominy Feed</u>							
ILLINOIS CEREAL MILLS, INC. Paris, Ill.							
Hominy Feed (600)	11.63	10.00	6.22	6.00	4.43	5.00	-----
Average	11.63	----	6.22	----	4.43	----	
<u>MASH FEED</u>							
ABERDEEN MILLS Elizabethtown, Pa.							
Aberdeen Egg & Breader Mash (334)	19.75	20.00	4.42	4.00	6.67	9.00	-----
Aberdeen Mills Growing Mash (335)	17.63	18.00	4.52	3.00	7.09	9.00	-----
Aberdeen Mills Starting Mash (336)	20.19	20.00	4.52	3.00	7.04	9.00	-----
Aberdeen Mills Turkey Starter Mash (338)	23.94	24.00	4.69	3.00	6.23	8.00	-----
ARCADY FARMS MILLING COMPANY Chicago, Ill.							
Wonderfat Crete Fattener (123)	14.88	14.00	4.24	4.00	8.24	8.00	-----
Wonderfat Stetion Feed with Rolled Oats (119)	15.25	14.00	4.44	4.50	6.56	7.00	-----
ALLIED MILLS, INC. Chicago, Ill.							
Wayne Egg Mash (656)	21.00	20.00	4.66	3.00	7.23	8.00	-----
R. S. ALTMAN Irwin, Pa.							
Altman's Buttermilk Growing Mash (355)	17.69	17.00	4.02	3.00	8.54	9.00	-----
Altman's Buttermilk Growing Mash (532)	17.50	17.00	3.46	3.00	7.93	9.00	-----
Altman's Buttermilk Starting & Broiler Mash (558)	20.81	18.00	3.79	3.00	6.57	8.00	-----
Altman's Buttermilk Starting & Broiler Mash (47)	20.19	18.00	4.00	3.00	6.73	8.00	-----
Altman's Fattening Mash (49)	15.75	15.00	3.74	4.00	6.37	6.00	-----
Altman's Fattening Mash (531)	15.56	15.00	*2.06	4.00	4.60	6.00	-----
Altman's Super A Egg Mash (356)	22.69	22.00	3.25	3.50	7.17	8.00	-----
Altman's Super A Egg Mash (534)	21.06	22.00	3.89	3.50	7.64	8.00	-----
Altman's Super A Egg Mash (654)	23.81	24.00	3.29	3.50	6.33	8.00	-----
Altman's Super A Yeast Egg Mash (529)	21.38	22.00	4.34	3.50	6.29	8.00	-----
Altman's Super A Yeast Starter & Broiler (354)	20.81	18.00	3.87	3.00	6.71	8.00	-----
Altman's Quality Egg Mash (528)	18.50	18.00	4.11	3.00	7.57	9.00	-----
Altman's Yeast Growing Mash (48)	17.63	17.00	4.06	3.00	7.21	9.00	-----
Altman's Yeast Growing Mash (533)	18.69	17.00	3.48	3.00	7.61	9.00	-----
Altman's Yeast Turkey Developer (530)	20.63	20.00	4.03	4.00	7.52	9.00	-----
ANDERSON GRAIN & FEED COMPANY York, Pa.							
Anderson Crete Fattener (121)	16.19	15.00	5.15	4.00	5.75	6.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
RAYMOND J. BAER Waynesboro, Pa.							
Baer's Chick Starter (100)	19.81	19.00	3.36	3.25	5.26	5.50	-----
Baer's Growing Mash (101)	17.06	17.50	3.43	3.50	5.41	5.50	-----
Baer's Master Laying Mash (103)	20.19	19.00	3.36	3.00	6.03	6.00	-----
C. D. BELL & SON Hop Bottom, Pa.							
C. D. Bell's Hen Mash (441)	22.50	20.00	4.62	3.50	6.05	8.00	-----
BEST FEEDS & FARM SUPPLIES, INC. Washington, Pa.							
Best Feeds Layer (545)	21.94	20.00	4.26	3.00	6.27	7.50	-----
Best Feeds Super Layer (50)	22.00	20.00	3.76	3.00	5.86	7.50	-----
BLEND & MCGINNIS Atglen, Pa.							
Miracle Broiler Mash (159)	20.19	20.00	3.88	2.00	6.98	7.00	-----
Miracle Chick Starter (157)	19.69	18.00	4.24	2.00	6.50	7.00	-----
Miracle Egg Mash (158)	20.44	20.00	3.58	2.00	7.04	7.00	-----
W. H. BOHNER Pillow, Pa.							
Bohner's Growing Mash (306)	14.56	16.00	4.10	4.00	7.84	8.00	-----
Bohner's Laying Mash (307)	14.94	16.00	4.45	4.00	6.01	8.00	-----
D. G. BRANDT & SON Annville, Pa.							
Blue Ribbon Growing Mash (291)	17.50	17.00	4.06	4.00	*9.62	7.50	-----
Blue Ribbon Laying Mash (287)	20.88	20.00	4.20	4.00	*8.36	7.50	-----
Blue Ribbon Starter & Broiler Mash (288)	19.56	18.00	4.31	4.00	*9.76	7.50	-----
GURNEY D. BRANDT Lebanon, Pa.							
Independent Borough Laying Mash (297)	17.19	18.00	*2.97	3.50	7.46	8.00	-----
BROWN & REA Atglen, Pa.							
B & R Laying Mash (160)	20.81	20.00	4.61	3.00	6.43	9.50	-----
BUCKEYE FEED MILLS, INC. Dalton, Ohio							
Buckeye Gold Standard Laying Mash (353)	21.19	20.00	3.76	3.00	7.88	8.50	-----
Buckeye Grower & Developer (352)	17.19	16.00	4.18	3.50	7.96	7.50	-----
Buckeye Starter & Grower (351)	19.06	18.00	4.09	3.50	6.71	7.50	-----
S. S. BUCKWALTER Spring City, Pa.							
Buckwalter's Broiler Mash (176)	19.63	20.00	3.34	2.00	4.43	7.00	-----
Buckwalter's Egg Mash (178)	22.69	20.00	4.03	2.00	*7.81	7.00	-----
Buckwalter's Starter & Grower (177)	19.25	16.00	3.49	2.00	5.46	7.00	-----
F. P. CASSEL'S SON Lansdale, Pa.							
Thrift Egg Mash Food (325)	19.63	17.00	4.64	4.00	5.87	9.00	-----
Dependable Turkey Mash Food (327)	20.63	18.00	5.87	4.00	7.21	10.00	-----
CATAWISSA MILLING COMPANY Catawissa, Pa.							
Kernie's Chick Starter (248)	19.69	18.00	4.87	4.50	6.33	7.00	-----
Kernie's Growing Mash (247)	20.63	18.00	4.86	4.50	6.69	7.00	-----
Kernie's Laying Mash (246)	19.81	18.00	4.63	4.00	6.92	8.00	-----
CLARION ROLLER MILLS Clarion, Pa.							
Premium Chick Starter Mash (230)	21.38	20.00	5.04	3.25	7.59	7.00	-----
Premium Egg Mash (231)	19.13	20.00	4.88	3.25	7.23	7.50	-----
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
CHAMBERSBURG GRAIN & COAL COMPANY Chambersburg, Pa.								
W-D Egg Mash	(15)	20.31	18.00	5.03	3.00	7.64	10.00	-----
W-D Starter & Grower	(17)	16.25	16.00	5.01	4.00	5.12	10.00	-----
CHESTER COUNTY MILLS, INC. West Chester, Pa.								
Gro-Rite Growing Mash	(172)	18.06	18.00	3.98	4.30	*6.98	6.20	-----
Lay-More Egg Mash	(170)	20.94	20.00	4.38	4.20	7.03	7.00	-----
Start-Rite Chick Starter	(171)	20.25	20.00	4.22	4.30	7.70	7.00	-----
CITY FLOURING MILLS, INC. Muncy, Pa.								
Muncy Growing Mash	(414)	19.13	17.00	4.91	4.00	6.84	7.00	-----
Muncy Laying Mash	(409)	18.19	17.00	4.71	4.00	6.16	7.00	-----
Muncy Starting & Growing Mash	(411)	17.00	17.00	4.89	4.00	6.04	7.00	-----
E. F. CLEMMER Spring Mount, Pa.								
Clammer's Special Laying Mash	(493)	19.63	19.00	4.17	3.50	5.98	7.00	-----
COLLEGEVILLE MILLS Collegavilla, Pa.								
Improved Growing Mash	(484)	17.31	18.00	*4.31	5.00	6.60	6.00	-----
Improved Laying Mash	(483)	18.00	19.00	*4.24	5.00	6.42	6.00	-----
G. E. CONKEY COMPANY Cleveland, Ohio								
Conkay's Y-0 Egg Mash	(548)	22.81	20.00	4.17	3.50	7.51	8.00	-----
COOPERATIVE G.L.F. MILLS, INC. Buffalo, N. Y.								
G. L. F. Chick Starter	(272)	21.56	20.00	4.19	3.00	5.02	7.50	-----
G. L. F. Chick Starter	(511)	21.31	20.00	4.39	3.00	5.51	7.50	-----
G. L. F. Braader Mash	(507)	22.63	20.00	4.11	3.00	5.86	7.50	-----
G. L. F. Broiler Mash	(609)	21.25	20.00	4.16	3.00	4.66	5.00	-----
G. L. F. Growing Mash	(273)	23.50	20.00	3.96	3.00	6.80	8.00	-----
G. L. F. Growing Mash	(510)	22.50	20.00	4.46	3.00	6.62	8.00	-----
G. L. F. Growing Mash	(607)	23.50	20.00	3.45	3.00	6.45	8.00	-----
G. L. F. Laying Mash	(271)	20.13	20.00	3.61	3.00	6.04	7.00	-----
G. L. F. Laying Mash	(508)	21.19	20.00	4.11	3.00	5.88	7.50	-----
G. L. F. Laying Mash	(603)	20.44	20.00	4.94	3.00	5.66	7.50	-----
G. L. F. Turkey Growing Mash	(604)	21.88	20.00	4.06	3.00	6.22	7.00	-----
CRAWFORD BROTHERS, INC. Walton, N. Y.								
Growing Mash	(524)	18.44	18.00	4.00	3.50	7.88	8.00	-----
CUMBERLAND VALLEY COOPERATIVE ASSN. Shippensburg, Pa.								
Old Reliable Vitamin Frash Growing Mash	(642)	17.81	17.00	3.51	3.50	7.29	8.00	-----
J. B. CURRY'S SONS Swatara Station, Pa.								
Curry's Starter & Growing Mash	(283)	16.88	17.00	4.57	3.50	4.46	7.00	-----
DAILY MILLS, INC. Olean, N. Y.								
Double Diamond Grower	(362)	20.31	20.00	4.94	3.50	7.18	7.00	-----
Double Diamond Layer	(363)	21.94	20.00	4.67	3.50	5.76	7.00	-----
Double Diamond 23% Starter	(366)	24.69	23.00	4.29	3.50	6.07	7.00	-----
DAVIS FEED MILL Rushland, Pa.								
Davis Growing Mash	(310)	19.88	17.00	4.71	5.00	7.24	7.00	-----
Davis Laying Mash	(309)	21.44	20.00	4.88	4.00	6.84	7.00	-----
Davis Starter Mash	(308)	21.31	19.00	*4.39	5.00	6.58	7.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
DIAMOND MILLING COMPANY New Brighton, Pa.							
Diamond Broiler Mash (476)	22.44	20.00	3.84	2.00	*8.00	7.00	-----
Diamond Grower Mash (475)	17.81	16.00	4.26	2.00	7.04	7.00	-----
Diamond Layer Mash (479)	21.50	20.00	3.82	2.50	7.54	7.00	-----
Diamond Starter Mash (477)	21.44	18.00	4.03	2.00	*7.86	7.00	-----
DUBLIN MILLING COMPANY, INC. Dublin, Pa.							
Dublin Laying Mash (26)	20.88	18.00	5.59	4.40	7.36	8.25	-----
Dublin Starting & Growing Mash (27)	19.94	18.00	5.91	4.00	7.24	8.30	-----
EAST FAYETTEVILLE ELEVATOR COMPANY Fayetteville, Pa.							
Superior Egg Mash (14)	17.88	18.00	3.69	2.00	7.36	7.00	-----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.							
All Mash Developer (424)	17.38	15.50	4.66	3.00	4.98	7.00	-----
All Mash Egg (425)	17.56	15.50	4.66	3.00	5.23	7.00	-----
Developer (417)	20.88	20.00	4.55	2.50	6.42	8.00	-----
Egg Mash (418)	21.81	20.00	3.92	2.50	6.27	7.00	-----
Turkey Grower (427)	21.75	20.00	4.09	2.50	5.64	7.00	-----
Pacemaker (426)	22.19	20.00	4.03	3.00	2.88	4.00	-----
E. L. M. FEED STORE Greencastle, Pa.							
E. L. M. Breeder Mash (95)	20.19	19.00	4.44	3.50	7.53	8.00	-----
E. L. M. Chick Starter & Grower (96)	20.56	18.00	4.64	3.50	7.44	9.00	-----
E. L. M. Special Egg Mash (93)	19.88	20.00	3.97	3.50	7.75	9.00	-----
H. S. EMBODY & SON Perkiomenville, Pa.							
Embodys Laying Mash (494)	17.88	18.00	3.92	4.00	7.84	9.00	-----
H. N. EPPINGER & SONS New Bedford, Pa.							
Eppinger's Laying Mash (465)	17.44	18.00	4.27	4.00	7.32	7.50	-----
Eppinger's Starting & Growing Mash (464)	18.19	17.00	4.88	4.00	7.79	7.50	-----
JOHN W. ESHELMAN & SONS Lancaster, Pa.							
Eshelman Red Rose Chick Starter (55)	21.50	20.00	4.16	3.50	5.67	6.50	-----
Eshelman Red Rose Chick Starter (210)	23.63	20.00	4.66	3.50	5.48	6.50	-----
Eshelman Red Rose Broiler Ration (213)	20.50	20.00	3.64	3.75	5.57	7.50	-----
Eshelman Red Rosa Laying Mash (54)	19.81	20.00	4.54	3.50	7.20	7.50	-----
Eshelman Red Rosa Laying Mash (221)	23.13	20.00	5.01	3.50	6.66	7.50	-----
Eshelman Red Rosa Starter & Grower (212)	19.75	18.00	4.42	3.50	7.45	7.00	-----
Eshelman Red Rose Turkey Grower (211)	22.44	20.00	4.32	3.50	7.23	8.00	-----
FLORY MILLING COMPANY, INC. Bangor, Pa.							
Flory Breeder Mash (278)	22.88	20.00	5.45	4.00	7.02	7.50	-----
Flory Broiler Mash (282)	23.13	20.00	4.93	3.50	6.36	7.50	-----
Flory Layer Mash (281)	22.19	20.00	4.72	3.50	6.48	7.50	-----
Flory Starter Mash (277)	23.06	20.00	4.66	3.50	5.67	7.00	-----
S. FOUGHT & SON Hughesville, Pa.							
Fought's Penn State Laying Mash (416)	17.81	18.00	4.37	3.75	5.53	10.00	-----
FREYERMUTH MILLS Fredonia, Pa.							
Freyermuth Quality Egg Mash (83)	18.38	20.00	4.77	4.00	7.36	7.00	-----
PAUL H. GEHMAN Denver, Pa.							
Gehman's Ultra-Lifed Broiler Mash (193)	21.00	22.00	5.69	4.00	7.89	6.50	-----
Gehman's Ultra-Lifed Growing Mash (194)	19.88	18.00	4.32	3.25	7.06	8.00	-----
Gehman's Ultra-Lifed 20% Laying Mash (192)	22.56	20.00	4.00	3.50	6.93	8.00	-----
Gehman's Ultra-Lifed Starting Mash (195)	21.25	20.00	4.59	3.50	6.84	7.00	-----
* Deficient							

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
GENERAL MILLS, INC. Minneapolis, Minn.								
Larro Turkey Builder	(399)	27.56	24.00	3.50	3.50	6.58	8.00	-----
W. G. GODSHALL Morwood, Pa.								
Godshall's Special Mash	(495)	17.94	17.00	4.05	4.00	7.35	8.50	-----
JAMES H. GRAY MILLING COMPANY, INC. Springville, N. Y.								
Super Gramco Laying Mash	(372)	22.00	20.00	4.79	4.00	6.71	8.00	-----
HARPER FEED MILLS, INC. Washington, Pa.								
Exchange Growing Mash	(44)	21.63	17.00	3.50	3.00	4.98	7.50	-----
Exchange Laying Mash	(45)	21.75	18.00	3.76	3.00	5.59	7.50	-----
Exchange Laying Mash	(535)	22.94	18.00	3.69	3.00	5.46	7.50	-----
Harco All Purpose Poultry Pellets	(540)	24.06	20.00	4.43	3.00	6.02	7.50	-----
Harco Broiler Mash	(542)	21.00	18.00	3.58	3.00	7.00	7.00	-----
Harco Complete Starting & Growing	(42)	21.25	17.00	3.76	3.00	4.46	7.50	-----
Retion								
Harco Complete Starting & Growing	(360)	19.19	17.00	4.26	3.00	5.12	7.50	-----
Retion								
Harco Complete Starting & Growing	(539)	21.31	17.00	3.82	3.00	5.13	7.50	-----
Ration								
Harco Laying Mash	(538)	19.56	20.00	3.64	3.00	5.17	7.00	-----
Herco Turkey Finisher Mash	(544)	19.31	15.00	4.67	3.50	6.46	7.50	-----
P. D. HARTZEL'S SONS COMPANY Chalfont, Pa.								
Perfection Chick Starter	(319)	19.88	18.00	3.01	2.00	6.66	7.00	-----
Perfection Egg Mash	(317)	20.50	20.00	2.59	2.00	6.85	7.00	-----
Perfection Growing Mash	(318)	18.44	16.00	3.57	2.00	6.59	7.00	-----
I. B. HEIMBACH & SON East Greenville, Pa.								
Victory Egg Mash	(482)	21.06	16.50	4.54	4.00	6.76	6.50	-----
I. L. HERR'S Lebanon, Pa.								
Herr's Egg Mash	(294)	20.50	18.00	4.50	3.50	7.59	8.00	-----
S. H. HIESTAND & COMPANY Salunga, Pa.								
Salunga Broiler Mash	(204)	21.56	20.00	4.29	4.00	6.52	6.00	-----
Salunga Grower Mash	(209)	19.31	17.00	4.44	4.00	7.33	7.00	-----
Salunga Laying Mash	(208)	18.38	18.00	4.52	4.00	6.93	7.00	-----
Salunga Starter Mash	(205)	19.38	18.00	4.50	4.00	7.10	7.00	-----
FRED L. & JOHN E. HOMSHER Strasburg, Pa.								
Homsher's Chick Starter	(182)	21.50	20.00	3.96	3.25	5.03	7.00	-----
Homsher's 20% Egg Mash	(181)	21.69	20.00	4.82	3.25	6.05	7.50	-----
Homsher's Growing Mash	(184)	19.38	18.00	3.68	3.25	6.07	7.50	-----
HONESDALE FLOUR & FEED COMPANY Honesdale, Pa.								
Tru-Mix Starting & Growing Mash	(453)	19.44	18.00	4.78	4.50	5.84	5.50	-----
W. M. HUDSON COMPANY Greensburg, Pa.								
Hudson's Best Chick Starter	(580)	17.88	17.00	4.08	4.00	6.52	7.00	-----
Hudson's Best Egg Mash	(578)	19.31	20.00	3.92	4.00	7.96	7.50	-----
Hudson's Best Growing Mash	(579)	17.88	17.00	*3.96	4.50	7.52	7.50	-----
HUNTSINGER'S MILL Hegins, Pa.								
Quality Egg Mash	(253)	21.38	20.00	5.31	4.00	7.07	7.00	-----
Quality Starting Mash	(250)	20.56	20.00	5.24	4.00	5.75	7.00	-----
JONESTOWN MILLING COMPANY Jonestown, Pa.								
Ski-Hi Laying Mash	(292)	*17.06	20.00	*4.36	5.00	5.86	6.00	-----
Ski-Hi Starting & Growing Mash	(293)	*14.44	17.00	4.64	4.00	*7.14	6.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
KASCO MILLS, INC. Weverly, N. Y.								
Kasco Egg Producer	(567)	20.75	20.00	4.57	3.00	7.58	7.50	-----
H. B. KRATZ & SONS Schwenksville, Pe.								
Ideel Laying Mash	(487)	21.38	19.00	4.87	4.00	8.01	8.00	-----
Ideal Starting & Growing Mash	(488)	22.50	20.00	4.85	4.00	5.33	8.00	-----
Ideal Turkey Starting & Growing Mash	(490)	25.25	24.00	5.16	4.50	5.86	6.00	-----
KREIDER MILLS Lebanon, Pe.								
Kreider Mills Ultras-Lifed Broiler Mash	(381)	20.31	19.50	4.52	3.75	5.66	6.25	-----
Kreider Mills Ultras-Lifed Flushing Mash	(382)	21.00	20.00	4.32	4.00	6.21	7.00	-----
Kreider Mills Ultras-Lifed Growing Mash	(383)	17.38	16.00	3.74	3.25	5.67	8.00	-----
Kreider Mills Ultra-Lifed 20% Laying Mash	(378)	22.38	20.00	4.04	3.50	6.20	8.00	-----
Kreider Mills Ultras-Lifed Turkey Starting Mash	(379)	28.38	26.00	4.38	4.25	5.78	7.50	-----
LEHMASTER ELEVATOR COMPANY Lemasters, Pa.								
Parnell Egg Mash	(90)	23.63	19.50	3.80	4.25	6.72	7.60	-----
Parnell Starter & Grower	(91)	19.88	18.50	4.61	4.25	6.56	6.50	-----
A. F. LEIDY Delphi, Pe.								
Leidy's Egg Mash	(491)	18.38	18.00	3.14	2.00	6.11	7.00	-----
L. R. LEVENGOOD ESTATE, INC. Pottstown, Pe.								
Levengood's Laying Mash	(312)	16.31	18.00	4.81	3.50	7.61	7.00	-----
J. R. LEWIS Orson, Pe.								
Orson Egg Mash	(447)	21.25	20.00	3.29	2.00	6.57	7.00	-----
LINCOLN HAY & FEED COMPANY Lincoln University, Pe.								
Lincoln 20% Laying Mash	(162)	21.13	20.00	4.94	3.25	6.33	8.00	-----
Lincoln Starting Mash	(164)	19.94	17.00	4.68	3.50	5.88	7.00	-----
LYKEN'S VALLEY ROLLER MILLS Millersburg, Pa.								
Shiffer's Quality Chick Starter	(301)	18.19	18.00	3.72	2.00	6.91	7.00	-----
Shiffer's Quality Egg Mash	(298)	17.50	18.00	3.21	2.00	7.58	7.00	-----
Shiffer's Quality Growing Mash	(300)	17.81	16.00	3.56	2.00	6.78	7.00	-----
MACKEYVILLE FLOUR MILLS Meckeyville, Pa.								
M. F. M. Growing Mash	(431)	19.13	18.00	4.18	4.00	7.16	8.00	-----
M. F. M. Laying Mash	(430)	18.50	19.00	4.08	3.50	7.06	10.00	-----
M. F. M. Sterter & Grower	(429)	18.50	16.00	3.36	2.50	5.51	7.00	-----
MARITIME MILLING COMPANY, INC. Buffelo, N. Y.								
B-B Complete Chick Starter Retion	(127)	22.06	20.00	4.67	3.50	7.32	7.00	-----
B-B Developing Feed	(129)	10.63	10.00	2.76	2.00	1.72	5.00	-----
Doller Maker Egg Mesh	(131)	20.75	18.00	4.31	3.50	7.98	8.50	-----
B-B Egg Mash	(124)	22.94	20.00	3.34	3.50	6.62	8.00	-----
MAUSER MILLING COMPANY Treichlers, Pe.								
Mauser's Chick Starter	(267)	22.00	18.00	4.82	4.00	5.24	7.00	-----
Mauser's Chick Starter & Broiler Mash	(270)	20.69	21.00	5.11	3.50	5.95	7.50	-----
Mauser's Egg Mash	(268)	21.06	20.00	4.96	4.00	8.68	8.00	-----
Mauser's 20% Egg Mash	(397)	19.06	20.00	3.76	4.00	8.58	8.00	-----
Mauser's Growing Mash	(269)	18.06	18.00	4.39	4.00	7.35	7.50	-----
Mauser's Hen Food	(265)	10.19	9.00	2.51	2.00	3.12	4.00	-----
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
MCCOMMON'S FEED MILL New Castle, Pa.								
McCommon's A-Grade Egg Mash	(458)	20.06	20.00	4.50	4.50	7.21	9.00	-----
McCommon's Starter & Grower Mash	(457)	17.50	18.00	4.88	5.00	*6.71	6.00	-----
MCMILLEN FEED MILLS Fort Wayne, Ind.								
Master Mix Chick Starter with Methio-Vite	(56)	21.06	18.00	4.68	2.50	5.55	7.00	-----
Master Mix Egg-lac Pellets with Methio-Vite	(58)	21.38	20.00	3.32	2.50	6.10	7.00	-----
MECHANICSBURG MILLING COMPANY Mechanicsburg, Pa.								
Brandt's O. K. Laying Mash	(643)	20.31	18.00	3.19	3.00	5.45	8.00	-----
G. H. MILLER Sidman, Pa.								
Blue Circle Broiler Mash	(568)	22.50	18.00	*3.43	4.00	*9.58	6.00	-----
Blue Circle Chick Starter Mash	(571)	22.69	18.00	3.88	4.00	*7.44	6.00	-----
Blue Circle Egg Mash	(569)	20.38	20.00	*3.28	4.00	*8.66	6.00	-----
Blue Circle Growing Mash	(575)	21.50	16.00	3.01	2.50	*8.00	7.00	-----
Blue Circle Turkey Finisher	(577)	19.19	14.00	4.84	3.50	*5.56	3.50	-----
Supreme Egg Mash	(570)	17.06	18.00	4.01	4.00	*8.58	6.00	-----
GEORGE Q. MOON & COMPANY, INC. Binghamton, N. Y.								
Moon's Complete Laying Mash	(526)	17.94	16.00	4.46	3.00	7.92	9.00	-----
MOSES BROTHERS COMPANY, INC. Eaton, N. Y.								
Moco Eggetter Mash	(518)	20.31	17.00	4.06	4.00	*7.18	6.50	-----
Moco Perfection Starting & Growing Mash	(517)	20.81	18.00	4.50	4.00	7.56	7.00	-----
MONTGOMERY-BUCKS FARM BUREAU COOPERATIVE ASSN. Souderton, Pa.								
Starting & Growing Mash	(140)	21.50	20.00	4.52	3.50	7.42	8.00	-----
Super Laying Mash	(138)	21.38	20.00	4.32	3.50	7.25	8.00	-----
MORLOU FARMS Fallsington, Pa.								
Morlou Farms Chick Starter	(499)	20.25	18.00	3.96	4.00	*8.07	6.00	-----
Morlou Farms 20% Egg Mash	(501)	20.75	20.00	4.33	4.00	7.94	7.50	-----
Morlou Farms Growing Mf	(500)	18.13	18.00	4.17	4.00	*8.18	7.00	-----
MOYER & SON Souderton, Pa.								
Mash for Laying Hens	(133)	23.81	20.00	5.37	3.50	7.41	7.50	-----
Mash for Pullets	(134)	18.19	19.00	4.78	3.50	7.83	8.00	-----
EDGAR W. MUTH Springtown, Pa.								
Muth's Chick Starter	(151)	21.19	17.00	4.59	4.00	6.47	6.00	-----
Muth's Egg Mash	(150)	20.00	17.00	4.37	3.50	6.52	8.00	-----
NYCE SUPPLY YARDS New Britain, Pa.								
Gilt Edge Chick Starter	(19)	20.44	20.00	4.57	3.00	6.40	7.50	-----
Gilt Edge Laying Mash	(18)	20.63	20.00	4.12	3.00	7.53	7.50	-----
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, INC. Harrisburg, Pa.								
P. F. B. Super Laying Mash	(65)	21.56	20.00	4.00	3.50	6.03	8.00	-----
P. F. B. Super Laying Mash	(89)	22.00	20.00	4.24	3.50	6.41	8.00	-----
P. F. B. Starting & Growing Mash	(88)	21.69	20.00	4.42	3.50	5.94	7.00	-----
P. F. B. Starting & Growing Mash	(104)	22.25	20.00	4.11	3.50	5.74	7.00	-----
PETERSBURG MILLING COMPANY Petersburg, Ohio								
Pemico Egg Mash	(473)	20.13	20.00	3.80	2.50	6.46	7.00	-----
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
PINE RUN FARM SUPPLY Doylestown, Pa.							
Pine Run Egg Mash (148)	22.69	20.00	4.52	4.50	6.86	7.00	-----
Pine Run Starter & Grower (147)	19.19	17.00	4.63	4.50	7.03	6.50	-----
PINOLA ELEVATOR COMPANY Shippensburg, Pa.							
Rowe Egg Mash (10)	18.38	18.00	4.04	2.00	5.79	7.00	-----
PRIMEX MILLS Glenside, Pa.							
Primex Laying Mash (503)	22.81	20.00	4.70	3.00	8.17	8.00	-----
THE QUAKER OATS COMPANY Chicago, Ill.							
Ful-O-Pep Chick Starter (53)	19.25	18.00	5.37	4.00	5.64	8.00	-----
Ful-O-Pep Chick Starter (586)	20.00	18.00	5.24	4.00	6.69	8.00	-----
Ful-O-Pep Laying Mash (284)	20.56	20.00	4.48	3.50	8.21	8.00	-----
Ful-O-Pep Laying Mash (523)	22.69	20.00	3.36	3.50	6.88	8.00	-----
Ful-O-Pep Laying Mash (585)	20.25	20.00	4.79	3.50	7.86	8.00	-----
RALSTON PURINA COMPANY St. Louis, Mo.							
Purina Chicken Fatena (122)	17.50	14.00	4.29	3.00	7.28	8.00	-----
Purina Layena (Complete Ration) (120)	15.63	15.50	4.51	3.00	7.23	8.00	-----
Purina Layena (Complete Ration) (527)	17.13	15.50	4.48	3.00	6.61	8.00	-----
RED LION MILLING COMPANY Red Lion, Pa.							
Red Lion Unexcelled Egg Mash (552)	21.13	20.00	4.29	3.00	6.31	7.50	-----
Red Lion Unexcelled Starter-Grower (553)	17.44	17.00	4.24	3.00	6.11	8.00	-----
REED MILLING COMPANY Brookville, Pa.							
Triangle Chick Starter (227)	19.50	18.00	4.09	3.00	5.41	6.00	-----
Triangle 20% Laying Mash (226)	22.19	20.00	4.28	4.00	7.75	8.00	-----
THE RICHARDS MILLING COMPANY Cortland, Ohio							
Richards Cash Laying Mash fortified with Richnu (581)	21.25	20.00	4.22	3.00	7.40	8.50	-----
Richards Thrift Laying Mash (525)	21.50	20.00	4.65	3.00	6.97	8.50	-----
RICHLAND FEED COMPANY Richlandtown, Pa.							
Richland All-Mash Starter & Grower (153)	20.75	16.00	4.44	4.00	6.16	8.00	-----
Richland Laying Mash (154)	21.81	18.00	4.42	4.00	7.10	7.00	-----
J. S. RILEY & COMPANY New Castle, Pa.							
Pioneer Growing Mash (468)	18.38	17.50	5.00	3.00	6.20	8.00	-----
Pioneer Laying Mash "Super" (467)	19.38	18.00	4.96	3.00	5.92	8.00	-----
Pioneer Starting Mash (469)	21.25	20.00	5.24	3.00	5.76	8.00	-----
ROARING CREEK MILL Catwissa, Pa.							
Must Gro Growing Mash (242)	19.13	20.00	4.03	3.50	6.59	8.00	-----
Must Lay Egg Mash (243)	19.75	20.00	4.12	3.50	6.27	8.00	-----
Must Liv & Gro Chick Starter (244)	20.44	20.00	4.23	3.50	5.24	8.00	-----
ROBERTS' FEED MILL Peckville, Pa.							
Rob-Rose 18% Laying Mash (521)	20.88	18.00	5.43	3.50	6.72	6.50	-----
Rob-Rose Starter & Grower (522)	22.44	19.00	4.16	4.00	6.33	6.00	-----
ROUX FEED MILLS Sharon, Pa.							
Roux Blue Ribbon Egg Mash (6)	18.00	18.00	3.32	3.00	7.69	8.00	-----
Roux Egg Mash (5)	21.25	20.00	3.26	3.00	7.91	8.00	-----
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
S & R FEED COMPANY Quakertown, Pa.								
S & R All purpose Mash	(322)	18.50	18.00	4.08	3.00	8.72	9.00	-----
S & R Growing Mash	(323)	19.19	18.00	4.55	3.00	6.62	8.00	-----
S & R Laying Mash	(321)	21.63	20.00	5.02	3.00	7.06	8.00	-----
SACRAMENTO ROLLER MILLS Sacramento, Pa.								
Sacromill Egg Mash	(254)	19.06	20.00	5.14	3.00	7.09	7.00	-----
Sacromill Starting Mash	(256)	15.44	17.00	3.97	2.50	7.69	7.00	-----
EARL SAUDER New Holland, Pa.								
Sauder Flushing Feed	(188)	14.31	12.00	7.07	4.50	2.48	4.50	-----
SCOTLAND ELEVATOR COMPANY Scotland, Pa.								
Quality Laying Mash	(11)	20.06	20.00	4.29	3.00	7.80	7.50	-----
SHANK'S MILL Waynesboro, Pa.								
Shank's Egg Mash	(99)	18.00	17.00	4.00	3.50	7.70	7.00	-----
SHELLY BROTHERS Perkasie, Pa.								
Shelly Brothers Quality Chick Starter	(35)	19.06	20.00	5.01	3.50	7.07	6.50	-----
Shelly Brothers Quality Laying Mash	(34)	20.63	20.00	5.32	4.00	7.41	7.00	-----
H. K. SHENK Sheridan, Pa.								
Shenk's Ultra-Lifed Broiler Mash	(347)	19.31	19.50	3.29	3.50	6.11	6.50	-----
Shenk's Ultra-Lifed Growing Mash	(349)	17.19	16.00	3.83	4.00	6.77	8.00	-----
Shenk's Ultra-Lifed 20% Laying Mash	(348)	21.81	20.00	2.74	3.25	7.05	8.00	-----
Shenk's Ultra-Lifed Starting Mash	(350)	20.50	17.00	3.69	4.00	6.87	7.00	-----
SNYDER MILLING COMPANY Nazareth, Pa.								
Gold Star Chick Starter	(263)	22.44	20.00	5.13	4.50	6.05	6.00	-----
Gold Star Laying Mash	(264)	20.69	20.00	4.73	4.00	6.47	7.00	-----
ESTATE OF GEO. S. SNYDER, INC. Hatfield, Pa.								
Snyder's Growing Mash	(143)	16.13	17.00	3.82	4.00	7.70	7.00	-----
Snyder's Starting Mash	(142)	19.38	17.00	4.00	4.00	7.60	7.00	-----
SOUTH PERKASIE MILLS South Perkasie, Pa.								
White Rose Laying Mash	(32)	19.44	20.00	3.72	2.00	6.24	7.00	-----
SPENCER MILLING COMPANY Thompson, Pa.								
Spencer's Laying Mash	(445)	21.88	20.00	4.42	2.50	7.02	7.00	-----
STEARNS MILL Kingsley, Pa.								
Stearns Starting & Growing Mash	(455)	21.63	18.00	3.95	3.50	7.16	8.00	-----
EDWIN F. STOVER ESTATE Perkasie, Pa.								
Stover Broiler Mash	(38)	19.88	18.00	4.64	4.00	6.90	7.00	-----
Stover's Diamond Growing Mash	(39)	22.13	18.00	4.68	3.50	6.55	7.00	-----
Stover's Diamond Laying Mash	(40)	19.63	20.00	4.72	3.50	7.01	8.00	-----

* deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
STUDEBAKER & FAWCETT Enon Valley, Pa.								
Valley Chick Starter & Grower	(472)	22.06	20.00	4.32	3.00	8.25	10.00	-----
Valley 19% Laying Mash	(471)	22.56	19.00	3.72	3.00	6.34	10.00	-----
P. O. SUNDAY Carlisle, Pa.								
Cumberland Lay Mash	(634)	19.81	20.00	4.35	4.00	5.93	8.00	-----
SWINGLE BROTHERS Lake Ariel, Pa.								
Direct Laying Mash	(436)	18.13	18.00	4.78	4.00	8.67	9.00	-----
THRIFT FEED MILLS, INC. Doylestown, Pa.								
Thriftee Egg Mash	(22)	20.50	20.00	4.37	2.50	7.54	8.00	-----
Thriftee Starting Mash	(23)	21.19	20.00	4.17	2.50	6.44	7.50	-----
THOMPSON & MATEJA New Wilmington, Pa.								
T & M 20% Egg Mash	(462)	21.88	20.00	2.89	2.50	6.26	7.00	-----
T & M Growing Mash	(463)	18.38	17.00	3.35	2.50	5.09	7.00	-----
THORPE, BAKER & COMPANY Carbondale, Pa.								
Red Tag Laying & Breeding Mash	(514)	22.94	19.00	4.59	3.00	7.03	8.00	-----
Red Tag Starting & Growing Mash	(515)	22.69	19.00	4.69	3.00	6.29	8.00	-----
JACOB TRINLEY & SONS, INC. Linfield, Pa.								
Limerick Laying Mash	(316)	19.81	18.00	4.21	3.50	8.71	8.00	-----
Real Egg & Breeder Mash	(315)	20.94	20.00	4.78	3.00	5.87	7.00	-----
VANDERVORT MILLS, INC. Laceyville, Pa.								
Vandervort's Chick Grower	(594)	20.50	20.00	4.12	3.50	6.29	7.00	-----
Vandervort's Laying Mash	(439)	19.31	20.00	4.23	4.00	*9.02	8.00	-----
VITALITY MILLS, INC. Chicago, Ill.								
Vitality Brand Broiler Ration	(659)	20.19	19.00	4.28	3.00	6.63	7.50	-----
Vitality Brand Egg Producer	(660)	20.75	20.00	4.37	3.00	7.35	8.00	-----
Vitality Brand Growing Ration	(661)	18.19	18.00	4.73	3.00	7.31	7.50	-----
VOLANT MILLS Volant, Pa.								
Volant Mills 20% Egg Mash	(460)	*17.88	20.00	3.64	4.00	7.36	7.50	-----
Volant Mills 15% Developer	(461)	14.88	15.00	4.03	4.00	6.75	7.50	-----
Volant Mills Starting Mash	(459)	20.13	18.00	4.66	4.00	6.34	7.00	-----
WADSWORTH FEED COMPANY Warren, Pa.								
Superior Laying Mash	(566)	21.88	20.00	4.59	4.50	7.39	7.00	-----
Superior Starting & Growing Mash	(562)	17.31	17.00	4.51	4.00	5.19	6.00	-----
C. L. WALKER & SONS Elizabethville, Pa.								
Walker's Chick Starter	(304)	17.63	16.50	4.34	4.00	*7.37	5.50	-----
Walker's Grower	(305)	18.56	15.50	4.46	4.00	*7.84	5.50	-----
Walker's Laying Mash	(302)	19.13	20.00	*4.44	5.00	8.00	7.50	-----
WAYMART MILLING COMPANY Waymart, Pa.								
Way Best Laying & Breeding Mash	(448)	22.25	20.00	5.33	4.00	6.32	7.00	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN		FAT		FIBER		COMPOSITION
	Found	Guar.	Found	Guar.	Found	Guar.	
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
C. P. WENGER & SONS Ephrata, Pa.							
Wenger's Chick Starter (203)	21.56	16.00	4.94	4.00	7.55	7.00	-----
Wenger's Broiler Mash (201)	26.69	22.00	3.63	4.00	5.45	7.00	-----
Wenger's Growing Mash with Butter- milk & Meat Meal (202)	20.50	18.00	4.66	3.00	*8.46	7.00	-----
Wenger's Hi Protein Starter (197)	26.31	22.00	4.81	4.00	6.14	7.00	-----
Wenger's Laying Mash with Butter- milk & Meat Meal (198)	23.06	18.00	4.98	3.00	6.23	7.00	-----
Wenger's Poultry Mash (200)	25.50	22.00	4.79	3.00	5.92	7.00	-----
C. E. WOOLEVER Catawissa, Pa.							
Millgrove Chief Egg Mash 18% (240)	18.06	18.00	3.47	2.00	6.16	7.00	-----
Millgrove Chief Egg Mash 20% (239)	20.69	20.00	3.57	2.00	7.00	7.00	-----
Millgrove Chief Growing Mash (238)	17.00	16.00	3.72	2.00	6.42	7.00	-----
WHITMOYER LABORATORIES, INC. Myerstown, Pa.							
Protosep Pellets (342)	22.13	19.00	8.88	4.00	5.99	7.00	-----
Whitmoyer Booster Pellets (343)	26.94	24.00	5.90	5.00	6.84	8.75	-----
YARDLEY MILL J. A. CADWALLADER Yardley, Pa.							
Afton Egg Mash (497)	18.00	20.00	2.61	2.50	7.22	7.00	-----
Afton Starter (498)	19.44	18.00	2.79	2.50	6.33	7.00	-----
F. S. YOST'S SON Pleasantville, Pa.							
Yost's S. P. Mash (156)	17.63	17.00	4.72	3.00	7.70	8.00	-----
Average	20.12	----	4.26	----	6.71	----	
<u>MIXING CONCENTRATES</u>							
WHITMOYER LABORATORIES, INC. Myerstown, Pa.							
Clo-Meal (340)	38.94	38.00	17.04	10.00	1.37	3.75	-----
Flav-A-Dee (339)	28.75	24.00	20.72	18.00	6.99	10.00	-----
Gro-Tein (341)	49.94	45.00	13.74	4.00	0.76	5.50	-----
Average	39.21	----	17.17	----	3.04	----	
<u>OAT BY-PRODUCTS</u>							
RALSTON PURINA COMPANY St. Louis, Mo.							
Oat Mill Feed (61)	8.31	9.00	3.09	2.00	22.20	24.00	-----
Average	8.31	---	3.09	----	22.20	----	
<u>OIL CAKE BY-PRODUCTS</u>							
<u>Cottonseed Oil Meal</u>							
THE BRODE CORPORATION Memphis, Tenn.							
Owl Brand 41% Prime Cottonseed Meal (395)	40.94	41.00	6.83	5.00	10.64	13.00	-----
GREEN-MISH COMPANY Washington, D. C.							
"Green Tag Prime" Cotton Seed Meal (556)	41.25	41.00	6.19	5.00	10.39	13.00	-----
SOUTHERN COTTON OIL COMPANY Goldsboro, N. C.							
Sco-Co 36% Protein Cottonseed Meal (406)	35.56	36.00	5.44	4.50	14.92	16.00	-----
Average	39.35	----	6.82	----	11.98	----	
* Deficient							

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME			PROTEIN		FAT		FIBER		COMPOSITION
			Found	Guar.	Found	Guar.	Found	Guar.	
			P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>Linseed Oil Meal</u>									
MINNESOTA LINSEED COMPANY Minneapolis, Minn.									
34% Protein Old Process Linseed Meal	(393)		33.50	34.00	5.21	4.50	8.53	9.00	-----
Average			33.50	----	5.21	----	8.53	----	
<u>Peanut Oil Meal</u>									
ASHCRAFT-WILKINSON COMPANY Atlanta, Ga.									
Hi-Pro Brand Prima Peanut Meal 41%	(407)		39.63	41.00	6.98	6.00	*18.87	16.00	-----
Average			39.63	----	6.98	----	18.87	----	
<u>Soybean Oil Meal</u>									
COOPERATIVE FEED DEALERS, INC. Binghamton, N. Y.									
C. F. D.'s V-D2	(599)		41.31	40.00	5.63	0.50	5.93	7.00	-----
SWIFT & COMPANY Chicago, Ill.									
Swift's Soybean Oil Meal Pellets	(394)		43.50	42.00	4.67	3.50	5.41	7.00	-----
Average			42.50	----	5.15	----	5.67	----	
<u>POULTRY CONCENTRATES</u>									
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.									
Hen Supplamant	(419)		30.50	30.00	4.81	3.50	6.27	7.00	-----
KREIDER MILLS Labanon, Pa.									
Manamar 32% Poultry Supplamant	(380)		33.06	32.00	5.29	4.50	7.77	8.00	-----
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, INC. Harrisburg, Pa.									
P. F. B. 32% Poultry Supplement	(64)		34.00	32.00	4.34	3.50	6.91	8.00	-----
MCMILLEN FEED MILLS Fort Wayne, Ind.									
Master Mix Laying Mash Concantrata	(57)		33.06	34.00	2.58	1.50	8.56	9.00	-----
Averaga			32.66	----	4.51	----	7.23	----	
<u>SCRATCH FEED</u>									
R. S. ALTMAN Irwin, Pa.									
Altman's Scratch Feed	(561)		11.25	8.00	2.22	2.00	2.84	4.50	-----
JOHN W. ESHELMAN & SONS Lancaster, Pa.									
Eshelman Red Rose Chick Grains	(223)		12.13	10.00	3.89	2.50	2.05	3.00	-----
Eshalman Red Rose Scratch Grains	(222)		10.50	9.00	3.22	2.00	3.24	4.00	-----
HARPER FEED MILLS, INC. Washington, Pa.									
Harco Scratch Grains	(536)		11.69	9.50	3.62	2.50	5.50	5.00	-----
* Deficient									

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.								
Daisy Scratch Feed	(125)	10.50	9.00	2.93	2.50	3.09	6.00	-----
SNYDER MILLING COMPANY Nazareth, Pa.								
Gold Star Scratch Feed	(259)	11.31	9.00	2.91	2.50	2.73	4.00	-----
ZECHMAN'S FLOUR MILLS Pottsgrove, Pa.								
Zechman's Scratch Feed	(237)	10.81	10.00	2.82	2.50	3.20	4.00	-----
Average		11.17	----	3.09	----	3.28	----	
<u>SMALL ANIMAL FEED</u>								
ALLEN PRODUCTS COMPANY Allentown, Pa.								
Al-Po All Beef Dog Food (Frozen)	(649)	16.49	18.00	8.72	2.50	0.30	0.50	-----
Al-Po Cubed Meat Dog Food	(645)	*14.55	18.00	*2.10	2.50	0.24	0.50	-----
Al-Po Cubed Meat Dog Food (Frozen)	(650)	23.63	18.00	3.67	2.50	0.29	0.50	-----
Al-Po Diced Lamb Dog Food	(647)	*16.05	19.50	5.38	3.00	0.13	0.50	-----
Al-Po 100% Lamb Tripe for Dogs	(648)	13.76	----	2.09	----	0.08	----	-----
CANINE FOOD & PRODUCTS COMPANY Philadelphia, Pa.								
"Trim"	(1)	22.66	18.00	*2.30	12.00	0.11	----	-----
"Trim"	(2)	18.56	18.00	16.18	12.00	0.09	----	-----
"Trim"	(664)	20.65	18.00	*3.21	12.00	0.18	----	-----
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Eshelman Red Rose Dog & Puppy Food	(224)	26.75	23.00	4.68	4.75	4.12	4.00	-----
FOXSTAND FOODS, INC. Boston, Mass.								
Swiftly	(652)	10.28	10.00	1.80	2.00	1.04	1.00	-----
GOOD EATIN' DOG FOOD COMPANY Philadelphia, Pa.								
Cap'n Dog Food	(619)	9.42	6.50	3.12	2.00	0.54	1.50	-----
HARPER FEED MILLS, INC. Washington, Pa.								
Harco Rabbit Feed	(541)	18.44	15.00	3.94	3.00	9.44	12.00	-----
KENNEL FOOD SUPPLY, INC. Fairfield, Conn.								
K. F. S. Special Brand Dog Food	(622)	14.76	14.00	6.14	5.00	0.16	2.50	-----
B. F. KREADY, JR. Lancaster, Pa.								
Block Beef	(625)	12.48	16.00	*1.57	5.00	0.11	1.50	-----
Ground Beef	(626)	19.88	16.00	4.56	5.00	0.15	1.50	-----
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.								
B-B Complete Rabbit Feed Pellets	(128)	19.50	17.50	3.52	2.50	9.17	12.00	-----
DR. GEORGE C. MELODY, VMD Greensburg, Pa.								
Dr. Melody's Dog Food	(613)	9.19	7.00	1.13	1.00	0.66	1.50	-----
Dr. Melody's Dog Food (Granular)	(614)	19.44	8.00	2.64	1.00	3.68	8.00	-----
PACKER PRODUCTS COMPANY Philadelphia, Pa.								
Cat N' Fiddle	(620)	6.43	6.50	*1.45	2.00	0.68	1.00	-----

* Deficient

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MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, INC. Harrisburg, Pa.								
P. F. B. Cooperative Dog Food	(108)	25.75	24.00	5.10	4.00	3.26	5.00	-----
PRESTON PACKING COMPANY Mt. Pleasant, Pa.								
Ground Horsemeet	(651)	22.37	----	1.25	----	0.14	----	-----
THE PHILADELPHIA SEED COMPANY, INC. Philadelphia, Pa.								
Purgrain Breeding Faad	(116)	15.25	13.50	2.69	2.50	3.76	5.00	-----
Purgrain Conditioning Feed	(117)	16.75	14.00	2.71	3.00	4.01	5.00	-----
Purgrain Economy Special Pigeon Feed	(118)	12.13	10.00	3.31	2.00	2.42	4.00	-----
Purgrain Flying Feed	(115)	14.81	13.00	2.86	3.00	3.30	5.00	-----
Purgrain No. 1 Pigeon Feed	(109)	15.69	11.20	2.58	2.00	2.90	4.00	-----
Purgrain No. 2 Pigeon Feed	(110)	13.63	12.30	3.12	2.00	2.57	4.00	-----
Purgrain No. 3 Pigeon Feed	(111)	12.88	13.30	3.09	2.00	2.52	4.00	-----
Purgrain No. 4 Pigeon Feed	(112)	14.50	12.50	2.91	2.00	2.82	4.00	-----
Purgrain Special Racing Feed	(114)	22.63	18.00	1.50	1.50	4.42	4.50	-----
Purgrain Squab Feed	(113)	12.63	10.50	3.88	2.50	2.52	3.50	-----
THE QUAKER OATS COMPANY Chicago, Ill.								
Kan-L-Retion	(615)	10.33	10.00	4.12	2.50	0.64	1.50	-----
Maro-Maat	(616)	16.79	15.00	8.05	2.00	0.21	1.00	-----
RIGGINS' CANNING COMPANY West Chester, Pa.								
Riggins' Dog Food of Quality	(258)	10.75	10.00	2.83	3.00	0.70	2.00	-----
J. S. RILEY & COMPANY New Cestle, Pa.								
Tri-Blend Dog Food	(470)	25.44	24.00	5.08	3.00	2.66	6.00	-----
RIVAL PACKING COMPANY Chicago, Ill.								
Rival Dog Food	(617)	9.81	10.00	2.64	2.00	0.64	1.00	-----
SMITHSTONE KENNEL SUPPLY COMPANY Dublin, Pa.								
Block Horsameat	(623)	21.22	18.00	*1.93	5.00	0.18	0.20	-----
Ground Horsameat	(624)	19.50	18.00	7.83	5.00	0.16	0.20	-----
"Inky" Dog & Cat Food	(663)	19.55	18.00	10.60	5.00	0.16	0.02	-----
TIOGA MILLS, INC. Waverly, N. Y.								
Rabbitine	(596)	16.75	16.00	3.86	3.00	9.80	11.00	-----
UNIVERSAL CANNING COMPANY, INC. Philedelphie, Pa.								
"Jast"	(665)	10.27	8.00	1.59	1.50	0.52	1.00	-----
VITALITY MILLS, INC. Chicago, Ill.								
Vitality Brand Body Builder Dog Food	(597)	25.56	20.00	5.25	3.00	4.11	5.00	-----
VITAMONT SALES COMPANY Butta, Mont.								
Vitamont Blue Hibbon Dog Faad	(612)	11.04	10.00	7.14	2.00	0.40	1.00	-----
WILSON & COMPANY, INC. Chicago, Ill.								
Ideal Dog Food	(618)	10.37	10.00	3.05	2.00	0.66	1.00	-----
Averega		16.35	----	4.03	----	1.97	----	
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

10-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>STOCK, HORSE & MULE FEED</u>								
ALLIED MILLS, INC. Chicago, Ill.								
Amco Fitting Ration	(69)	13.13	12.00	4.04	3.00	5.73	10.00	-----
BUCK & HUNSBERGER West Point, Pa.								
B & H Horse Feed	(329)	11.63	10.00	4.23	4.00	7.54	7.00	-----
COOPERATIVE G.L.F. MILLS, INC. Buffalo, N. Y.								
G. L. F. Fitting Ration	(605)	14.06	12.00	4.32	3.25	6.52	10.00	-----
G. L. F. Horse Feed	(606)	12.94	9.00	4.09	3.50	5.88	9.00	-----
CHESTER COUNTY MILLS, INC. West Chester, Pa.								
Heavy Grain Horse Feed	(165)	12.75	10.00	4.10	3.00	7.08	8.00	-----
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Eshelman Red Rose Fitting Ration	(216)	14.25	12.00	4.97	4.00	7.51	7.00	-----
Eshelman Red Rose Horse Feed	(78)	10.38	9.00	4.21	3.00	8.39	10.00	-----
Eshelman Red Rose Horse Feed	(219)	11.25	9.00	3.89	3.00	8.17	10.00	-----
Eshelman Lancaster Horse Feed	(220)	10.75	9.00	3.48	2.50	9.18	11.00	-----
FLORY MILLING COMPANY, INC. Bangor, Pa.								
Flory Superior 14% Fiting Ration	(279)	16.63	14.00	4.74	3.00	7.15	10.00	-----
W. M. GOLDEN & SON Springville, Pa.								
Stock Feed	(442)	14.56	15.00	4.42	3.50	6.73	12.00	-----
JAMES H. GRAY MILLING COMPANY, INC. Springville, N. Y.								
Gramco Fitting Ration	(367)	14.56	12.00	4.64	4.00	8.36	11.00	-----
THE HERRMAN-MCLEAN COMPANY Cleveland, Ohio								
Portage Horse & Mule Feed	(655)	9.81	9.00	3.57	2.50	4.87	8.00	-----
KASCO MILLS, INC. Toledo, Ohio								
Kasco 65 Horse Feed	(72)	10.19	10.00	2.52	2.00	13.02	15.00	-----
VANDERVORT MILLS Laceyville, Pa.								
Vandervort's Fitting Ration	(438)	13.38	12.00	*3.44	4.00	*10.81	8.00	-----
WAYMART MILLING COMPANY Waymart, Pa.								
Way Best Fitting Ration	(449)	15.63	13.00	4.06	4.00	7.42	9.00	-----
Average		12.24	----	4.05	----	7.77	----	
<u>SWINE FEED</u>								
ABERDEEN MILLS Elizabethtown, Pa.								
Aberdeen Pig & Hog Mash	(337)	17.00	16.00	4.36	4.00	7.55	8.00	-----
RAYMOND J. BAER Waynesboro, Pa.								
Baer's Hog Feed	(102)	17.75	17.00	4.43	4.25	5.38	5.00	-----
BEST FEEDS & FARM SUPPLIES, INC. Washington, Pa.								
Best Fe. 's Hog Feed	(359)	16.13	15.00	3.94	3.00	7.72	8.00	-----
Best Fee.s Hog Feed	(546)	16.06	15.00	3.39	3.00	7.01	8.00	-----
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
GURNEY D. BRANDT Lebanon, Pa.								
Independent Borough Hog Meal	(296)	16.00	15.00	*3.01	3.50	*6.84	6.00	-----
BUCK & HUNSBERGER West Point, Pa.								
B & H Pig Feed	(331)	16.13	16.00	3.69	4.00	5.67	10.00	-----
CHAMBERSBURG GRAIN & COAL COMPANY Chambersburg, Pa.								
W-D Pig Meal	(16)	16.38	16.00	4.14	3.00	5.09	10.00	-----
CITY FLOURING MILLS, INC. Muncy, Pa.								
Muncy Hog Feed	(410)	16.50	16.00	*3.46	4.00	6.76	7.00	-----
CLARION ROLLER MILLS Clarion, Pa.								
Premium Pig & Hog Feed	(232)	15.19	16.00	4.26	3.50	*9.64	7.50	-----
G. E. CONKEY COMPANY Cleveland, Ohio								
Conkey's Y-O Pig & Sow Feed	(549)	19.63	20.00	4.46	3.00	6.64	7.00	-----
COOPERATIVE G.L.F. MILLS, INC. Buffalo, N. Y.								
G. L. F. Hog Feed	(276)	19.69	17.00	4.00	3.50	6.29	8.00	-----
C. L. F. Hog Feed	(509)	19.69	17.00	4.15	3.50	5.59	8.00	-----
COLLEGEVILLE MILLS Collegeville, Pa.								
Perkioman Hog Feed	(486)	14.69	12.00	3.79	3.00	7.70	7.00	-----
CUMBERLAND VALLEY COOPERATIVE ASSN. Shippensburg, Pa.								
Acorn Hog Feed	(640)	12.56	12.00	3.02	3.00	7.71	12.00	-----
DAVIS FEED MILL Rushland, Pa.								
Devis Pig Feed	(311)	20.13	15.00	3.96	3.50	*8.50	7.00	-----
EASTERN STATES FARMERS' EXCHANGE INCORPORATED West Springfield, Mass.								
Hog Supplement	(420)	40.38	36.00	6.36	3.00	6.97	9.50	-----
Pork Builder	(422)	16.25	15.00	4.26	3.00	5.46	6.50	-----
EAST PAYETTEVILLE ELEVATOR COMPANY Peyetteville, Pa.								
Superior Pig Meal	(13)	17.38	18.00	3.84	2.00	7.07	7.00	-----
E. L. M. FEED STORE Greencastle, Pa.								
E. L. M. Hog Ration	(97)	17.75	15.00	4.81	3.50	10.47	10.00	-----
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Eshelman Red Rose Pig & Hog Meal	(217)	19.38	18.00	4.72	3.50	7.64	10.00	-----
FARMERS FEED & SUPPLY Greenville, Pa.								
Quality Pig & Hog Meal	(80)	17.81	16.00	3.92	4.00	6.92	7.00	-----
S. FOUGHT & SON Hughesville, Pa.								
Fought's Penn State Hog & Pig Ration	(415)	16.69	17.00	3.64	3.00	4.58	6.50	-----

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
D. D. FRITCH MILLING COMPANY Macungie, Pa.								
XXXX Pig-N-Hog Ration	(385)	20.06	17.00	4.00	3.50	*7.86	7.00	-----
FREYERMUTH MILLS Fredonia, Pa.								
Freyermuth Quality All-in-One Hog Feed	(84)	16.88	15.00	4.11	3.75	7.11	6.50	-----
JAMES H. GRAY MILLING COMPANY, INC. Springville, N. Y.								
Gramco Pig Feed	(373)	19.25	17.00	4.89	4.00	5.91	8.00	-----
HARPER FEED MILLS, INC. Washington, Pa.								
Harco Pig & Hog Meal	(46)	*12.50	16.00	3.90	3.00	5.91	8.00	-----
Harco Pig & Hog Meal	(537)	17.88	16.00	4.03	3.00	6.03	8.00	-----
I. L. HERR'S Lebanon, Pa.								
Herr's Pig & Hog Feed	(295)	*15.06	17.00	*3.35	4.00	5.55	7.00	-----
THE HERRMAN-MCLEAN COMPANY Cleveland, Ohio								
Sunshine Pork Maker	(657)	16.56	15.00	4.68	3.00	7.85	8.00	-----
S. H. HIESTAND & COMPANY Salunga, Pa.								
Salunga Pig & Hog Ration	(207)	16.81	16.00	4.17	3.50	7.88	8.00	-----
FRED L. & JOHN E. HOMSHER Strasburg, Pa.								
Homsher's Pig Meal	(183)	19.06	16.00	4.54	3.50	6.45	7.50	-----
HONESDALE FLOUR & FEED COMPANY Honesdale, Pa.								
Tru-Mix Pig Feed	(451)	15.63	16.00	4.17	4.00	6.53	9.00	-----
HUNTSINGER'S MILL Begins, Pa.								
Quality Hog Feed	(251)	19.88	15.00	6.59	4.00	7.07	8.00	-----
KREIDER MILLS Lebanon, Pa.								
Kreider Mills Markitop All-In-One Hog Feed	(384)	15.81	15.00	2.93	3.00	*6.94	5.50	-----
LEHMASTER ELEVATOR COMPANY Lemasters, Pa.								
Parnell Pig Feed	(92)	17.00	15.00	3.67	3.50	5.63	6.50	-----
A. F. LEIDY Delphi, Pa.								
Leidy's Hog Feed	(492)	16.88	15.00	3.17	2.50	7.62	8.00	-----
LYKEN'S VALLEY ROLLER MILLS Millersburg, Pa.								
Shiffer's Quality Pig & Hog Meal	(299)	15.94	16.00	3.93	3.00	7.62	8.50	-----
MACKEYVILLE FLOUR MILLS Mackeyville, Pa.								
M. F. M. Pig & Hog Meal	(428)	14.63	15.00	2.74	2.50	6.94	8.00	-----
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.								
B-B Pig & Hog Feed	(126)	17.81	15.00	3.82	3.50	7.61	7.50	-----
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS



100-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
MAUSER MILLING COMPANY Treichlers, Pa.								
Mauser's Mixed Hog Feed	(266)	16.50	16.00	4.58	3.00	7.90	8.00	-----
Mauser's Pig Feed	(396)	15.75	15.00	4.29	4.00	3.97	8.00	-----
MCMILLEN FEED MILLS Fort Wayne, Ind.								
Master Mix 40% Hog Concentrate	(59)	38.31	40.00	5.04	2.00	6.84	8.00	-----
G. H. MILLER Sidman, Pa.								
Blue Circle Pig Meal	(572)	19.44	18.00	3.03	3.00	8.42	8.00	-----
Supreme Pig Meal	(574)	*14.94	20.00	*3.23	4.00	10.64	10.00	-----
MONTGOMERY-BUCKS FARM BUREAU COOPERATIVE ASSN. Souderton, Pa.								
Porkmaker 40%	(139)	*35.25	40.00	3.88	3.00	6.10	7.00	-----
MORLOU FARMS Fallsington, Pe.								
Morlou Farms Pig & Hog Feed	(502)	16.25	15.00	4.09	4.00	*9.21	7.00	-----
MOYER & SON Souderton, Pa.								
M & S Pig Grower	(135)	17.38	15.50	4.72	3.00	7.32	8.00	-----
EDGAR W. MOTH Springtown, Pe.								
Muth's Pig Meal	(149)	16.38	14.00	4.08	3.50	6.25	7.00	-----
PETERSBURG MILLING COMPANY Petersburg, Ohio								
Pemico Hog Feed	(474)	18.44	18.00	3.52	2.50	6.16	7.00	-----
PINOLA ELEVATOR COMPANY Shippensburg, Pa.								
Rowe Pig & Hog Meal	(9)	20.31	18.00	4.18	2.00	5.71	8.00	-----
PENNSYLVANIA FARM BUREAU COOPERATIVE ASSOCIATION, INC. Harrisburg, Pa.								
P. F. B. 35% Pork Maker	(87)	38.31	35.00	4.24	3.00	6.40	8.50	-----
P. F. B. 35% Pork Maker	(107)	37.44	35.00	4.13	3.00	7.44	8.50	-----
RED LION MILLING COMPANY Red lion, Pa.								
Red Lion Unexcelled All-Purpose Hog Feed	(555)	19.56	16.00	3.81	3.00	7.84	9.00	-----
REED MILLING COMPANY Brookville, Pa.								
Triangle Pig & Hog Meal	(228)	22.69	16.00	5.24	3.00	*10.41	8.00	-----
THE RICHARDS MILLING COMPANY Cortland, Ohio								
Blue Teg Hog Meal	(587)	17.94	16.00	5.29	2.50	7.33	9.00	-----
RICHLAND FEED COMPANY Richlandtown, Pa.								
Richland Pig Feed	(152)	17.94	16.00	4.29	4.00	7.43	7.00	-----
ROUX FEED MILLS Sharon, Pa.								
Roux Porkmaster Hog Meal	(7)	19.00	18.00	3.32	3.00	7.72	10.00	-----
SACRAMENTO ROLLER MILLS Sacramento, Pa.								
Sacromill Hog Feed	(255)	16.81	17.00	4.46	3.00	7.31	7.00	-----
* Deficient								

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
EARL SAUDER New Holland, Pa.								
Sauder Pig Meal	(185)	21.44	18.00	5.26	4.00	8.28	8.00	-----
SCOTLAND ELEVATOR COMPANY Scotland, Pa.								
Quality Hog Feed	(12)	14.19	14.90	3.50	3.50	8.94	8.94	-----
SHANK'S MILL Waynesboro, Pa.								
Shank's Hog Feed	(98)	17.00	17.00	3.57	3.50	*8.96	7.00	-----
SHELLY BROTHERS Perkasie, Pa.								
Shelly Brothers Quality Pig Feed	(37)	18.38	16.50	4.47	4.00	6.60	6.00	-----
SOUTH PERKASIE MILLS South Perkasie, Pa.								
White Rose Pig & Hog Feed	(33)	15.06	16.00	3.29	2.00	4.13	7.00	-----
S & R FEED COMPANY Quakertown, Pa.								
S & R Hog Feed	(324)	15.69	14.00	3.76	3.00	6.86	8.00	-----
STEARNS MILL Kingsley, Pa.								
Stearns Hog Ration	(456)	19.81	17.00	3.63	3.50	7.64	8.00	-----
P. O. SUNDAY Carlisle, Pa.								
Cumberland Pig Meal	(633)	14.13	15.00	4.11	4.50	4.92	9.00	-----
SWINGLE BROTHERS Lake Ariel, Pa.								
Direct Pig Meal	(434)	15.88	15.00	4.21	4.00	7.63	7.00	-----
THORPE, BAKER & COMPANY Carbondale, Pa.								
Pig & Hog Feed	(513)	18.13	16.00	4.71	3.00	8.24	8.00	-----
THE UBIKO MILLING COMPANY Cincinnati, Ohio								
Life Guard Pig & Cow Ration	(550)	17.88	16.00	5.68	3.50	*7.28	6.00	-----
VITALITY MILLS, INC. Chicago, Ill.								
Vitality Brand Hog Grower & Fattener	(658)	17.38	16.00	3.88	3.00	6.76	8.00	-----
C. L. WALKER & SONS Elizabethville, Pa.								
Walker's Pig Meal	(303)	16.88	16.50	5.03	5.00	8.50	8.00	-----
YARDLEY MILL J. A. CADWALLADER Yardely, Pa.								
Afton Pig Grower	(496)	17.69	15.00	2.69	2.00	7.53	8.00	-----
F. S. YOST'S SON Pleasant Valley, Pa.								
Yost's Pig Feed	(155)	15.88	16.00	3.74	4.00	7.31	8.00	-----
ZECHMAN'S FLOUR MILLS Pottsgrove, Pa.								
Zechman's Pork Producer	(235)	16.00	15.00	3.82	3.00	4.06	7.00	-----
Average		18.58	----	4.09	----	7.18	----	

* Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

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10-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
<u>WHEAT OFFAL</u>								
<u>Wheat Bran</u>								
J. B. CUURY'S SONS Palmyra, Pa.								
Wheat Bran	(285)	14.19	13.00	3.83	3.40	9.48	11.50	-----
KREIDER MILLS Lebanon, Pa.								
Wheat Bran with Mill Run Screenings	(374)	13.63	12.00	3.92	3.40	9.31	11.50	-----
SOUTH PERKASIE MILLS South Parkasie, Pa.								
Pure Wheat Bran	(30)	13.88	14.00	*3.26	4.00	8.04	10.00	-----
STANDARD MILLING COMPANY Chicago, Ill.								
Red Turkey Wheat Bran	(346)	16.56	14.50	5.02	3.50	8.36	11.00	-----
THE WHEATENA CORPORATION Highspire, Pa.								
Pure Winter Wheat Bran	(333)	14.00	12.50	4.29	3.00	7.80	13.00	-----
Average		14.45	----	4.06	----	10.75	----	
<u>Wheat Middlings</u>								
J. B. CURRY'S SONS Palmyra, Pa.								
Wheat Middlings	(286)	15.31	13.00	3.92	3.50	4.75	8.00	-----
KREIDER MILLS Lebanon, Pa.								
Middlings with Mill Run Screenings	(375)	14.25	14.00	3.35	4.00	4.06	9.50	-----
SOUTH PERKASIE MILLS South Parkasie, Pa.								
Pure Wheat Middlings	(31)	13.75	15.00	*3.21	4.00	3.37	6.00	-----
THE WHEATENA CORPORATION Highspire, Pa.								
Wheat Gray Shorts	(332)	12.81	13.00	3.11	3.00	4.18	8.00	-----
Average		11.53	----	3.40	----	4.09	----	
* Deficient								

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME	PROTEIN							
	Found	Guar.					Found	Guar.
	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.		
<u>MINERAL FEED</u>								
DR. A. A. DONAHOE & SON State College, Pa.								
Cal-Supplementum (432)			36.60	38.18	0.020	0.019	0.04	0.055
WHITMOYER LABORATORIES, INC. Myerstown, Pa.								
Tra-Min (344)	8.44	3.50	18.65	18.00	----	----		